

# The list of documents

## for the submission

to “The department of support of the activity of dissertation councils” (“DSADC”) of “SPbSU” of the applicant of scientific degree, attached from the “ \_\_\_<sup>th</sup>” of November 2023 y. to the “ \_\_\_<sup>th</sup>” of May 2024 y. to the chair “Information systems” (“IS”)

(“Modeling of social-economic systems” (“MSES”))

of the faculty “Applied mathematics – control processes” (“AM – CP”) of “SPbSU”,

“the author of the unique technology” of cognitive modeling

for the system, financial and complex analysis at the micro level”

Vetrov Anatoly Nikolaevich

[according to “The order of awarding in “SPbSU”

of the scientific degree of the candidate of sciences, the scientific degree of the doctor of sciences”,

approved by The order from the 19.11.2021 y. №11181/1 “About the order of awarding of the scientific degrees in SPbSU”

(approved by The order from the 01.09.2016 y. №6821/1 “About the order of awarding of the scientific degrees in SPbSU”)]

(also see the documents, registered in the electronic system of document-flow of “SPbSU” from the 07<sup>th</sup> of February 2018 y.)

### **I. The main accompanying documents (“\*” – the document is submitted for the first time)**

1. The application of the applicant of scientific degree of “the doctor of technical sciences” (the application must contain the consent of the applicant on the presentation of the dissertation in accordance with the present Order) in accordance with The appendix №1 to The order from the 19.11.2021 y. №11181/1 “About the order of awarding of the scientific degrees in “SPbSU”” (with changes and additions).
  - 1.1. Copy of the application of Vetrov A.N. from the 31.10.2023 y. with app. (see the list of appendices on the paper and electronic carriers) with the mark “Accepted to the consideration on the 31.10.2023 y. The secretary of the head “DSAHLSD” Grib Yu.E.” to the name of the dean of the faculty “AM – CP” of “SPbSU”, d.ph.-m.s., prof. Petrosyan L.A., the head of the chair “IS” of the faculty “AM – CP” of “SPbSU”, d.ph.-m.s., prof. Olemskoy I.V. and the sci. head, prof. of the chair “IS” of the faculty “AM – CP” of “SPbSU”, d.ph.-m.s., prof. Kvitko A.N. – 09 sh., 09 p. (in the format “PDF”) (in the national Russian language), the name of file “Vetrov\_AN\_The\_application\_from\_the\_31\_10\_2023\_y\_with\_appendices\_to\_the\_name\_of\_the\_dean\_of\_faculty\_AM\_CP\_of\_SPbSU\_d\_ph\_m\_s\_prof\_Petrosyan\_LA\_reg.pdf” **[the original copy of the specified document was submitted on the 21<sup>st</sup> of November 2023 y.]** **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 21<sup>st</sup> of November 2023 y.]**
  - 1.2. Copy of the application of Vetrov A.N. from the 21<sup>st</sup> of November 2023 y. with app. (“On the question of attachment”) to the name of the rector of “SPbSU”, d.j.s., prof. Kropachev N.M. – 16 sh., 16 p. (in the format “PDF”) (in the national Russian language), the name of file “1\_Vetrov\_AN\_Application\_from\_the\_21\_11\_2023\_with\_appendices\_to\_the\_name\_of\_the\_rector\_of\_SPbSU\_djs\_prof\_Kropachev\_NM\_RUS.pdf” **[the original copy of the specified document was submitted on the 21<sup>st</sup> of November 2023 y.]** **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the “ \_\_\_<sup>th</sup>” of November 2023 y.]**
  - 1.3. The application of Vetrov A.N. from the 21.11.2023 y. with app. (“On the question of the organization of defence”) to the name of the rector of “SPbSU”, d.j.s., prof. Kropachev N.M. **[without the legal address]** – 02 sh., 02 p. (in the format “PDF”) (in the national Russian language), the name of file “Vetrov\_AN\_Application\_from\_the\_21\_11\_2023\_with\_app\_to\_the\_name\_of\_the\_rector\_of\_SPbSU\_djs\_prof\_Kropachev\_NM\_RUS.pdf” **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 21<sup>st</sup> of November 2023 y.]**
  - 1.4. The application of Vetrov A.N. from the 21.11.2023 y. with app. (“On the question of provision of The conclusion of “SPbSU””) to the name of the scientific secretary of “SPbSU”, d.b.s., prof. Gnetov A.V. **[without the legal address]** – 02 sh., 02 p. (in the format “PDF”) (in the national Russian language), the name of file “Vetrov\_AN\_Application\_from\_the\_21\_11\_2023\_with\_app\_to\_the\_name\_of\_the\_sci\_sec\_of\_SPbSU\_cbs\_prof\_Gnetov\_AV\_RUS.pdf”, the name of file “Vetrov\_AN\_Application\_from\_the\_21\_11\_2023\_with\_app\_to\_the\_name\_of\_the\_sci\_sec\_of\_SPbSU\_cbs\_prof\_Gnetov\_AV\_ENG.pdf” **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 21<sup>st</sup> of November 2023 y.]**

2. The certified copy of the document of established sample about the higher education (the diploma of specialist / the diploma of magister / the diploma about the completion of postgraduate study (internship)) (for the applicants of scientific degree of the candidate of sciences).
- 2.1. Copy of the certificate (diploma) *with honors* of the state sample of RSFSR about the giving of qualification (professional retraining) of “The training-industrial plant №1 of Krasnogvardeisky district of Saint-Petersburg city” **without series** and **without number** (the order 405, circulation 5000, the sample on the 19<sup>th</sup> of June 1989 y.) to the name of Vetrov A.N. about the fact, that from the 01<sup>st</sup> of September 1995 y. to the 12<sup>th</sup> of May 1997 y. he has passed the professional (re)training and the improvement of professional skill on spec. 01.01.09 – “Discrete mathematics and mathematical cybernetics” (“The theory of information”, “Programming”, “Vector computer graphics and genetic algorithms”), the state attestation commission by the decision from the 12<sup>th</sup> of May 1997 y. has certified the compliance of his qualification (profession and specialty) “Programmer-laboratory assistant” (Vetrov A.N.) on the conducting of professional activity in the sphere “Programming” **[physical-mathematical sciences]**, (\*) copy of the specified diploma *with honors* was registered in the registry book №78/182-N/78-2019-2-126, certified by the notary of the not. district Saint-Petersburg city Odnoral O.E. on the 05<sup>th</sup> of February 2019 y. (RF, Saint-Petersburg city) – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), (\*) copy of the specified diploma *with honors* was registered in the registry book №78/248-n/78-2023-9-226, certified by the notary of the not. district Saint-Petersburg city Soldatenko L.G. on the 09<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 01 sh., 02 p. (in the format “PDF”) (in the national Russian language), the certification is confirmed **[by demand]** by the head of “The personnel department” of “SPbSETU “LETI”” Shubinsky V.N. on the 28<sup>th</sup> of February 2003 y., the 01<sup>st</sup> of September 2003 y., the 01<sup>st</sup> of September 2004 y., the 01<sup>st</sup> of September 2005 y., the 01<sup>st</sup> of September 2006 y., the 01<sup>st</sup> of September 2007 y., the 01<sup>st</sup> of September 2008 y., the 29<sup>th</sup> of June 2009 y., the 26<sup>th</sup> of January 2010 y., the 01<sup>st</sup> of February 2010 y., the 19<sup>th</sup> of February 2010 y. and the 03<sup>rd</sup> of August 2010 y. – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), the name of file “2\_1\_Vetrov\_AN\_The\_diploma\_of\_TIP\_Saint\_Petersburg\_RF\_on\_spec\_050501\_010109\_AN\_Vetrov\_12\_05\_1997\_RUS.pdf”, (\*) the name of file “2\_1\_Vetrov\_AN\_Copy\_of\_the\_diploma\_of\_TIP\_Saint\_Petersburg\_RF\_on\_spec\_050501\_010109\_AN\_Vetrov\_12\_05\_1997\_Odnoral\_OE\_05\_02\_2019\_RUS.pdf”, (\*) the name of file “2\_1\_Vetrov\_AN\_Copy\_of\_the\_diploma\_of\_TIP\_Saint\_Petersburg\_RF\_on\_spec\_050501\_010109\_AN\_Vetrov\_12\_05\_1997\_Soldatenkol\_LG\_09\_11\_2023\_RUS.pdf” **[copy of the specified document was submitted on the 26.12.2017 y. and 01.04.2019 v.]**, **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 v.]**

2.2. Copy of the diploma *with honors* of the state sample of RF about the higher education of “The Saint-Petersburg state electrotechnical university "LETI"” the series DVS №1230632 to the name of Vetrov A.N. about the fact, that from the 01<sup>st</sup> of September 1997 y. to the 11<sup>th</sup> of February 2003 y. he has passed the professional training on spec. 220201 – “Control and informatics in technical systems” (05.13.01 – “The system analysis, control and information processing”), the state attestation commission by the decision from the 11<sup>th</sup> of February 2003 y. (reg. №1018) has certified the conformity of his qualification (specialization) “Engineer” (Vetrov A.N.) on the conducting of professional activity in the sphere “Control and informatics in technical systems” **[technical sciences]**, copy of the specified diploma *with honors* was registered in the registry book №D-5514, Д-5515, certified by the notary of the note. district Saint-Petersburg city Bukhtoyarova S.A. on the 07<sup>th</sup> of November 2008 y. (RF, Saint-Petersburg city) – 01 sh., 02 p. (with app. – 04 sh, 04 p.) (in the format “PDF”) (in the nat. Russian language), (\*) copy of the specified diploma *with honors* was registered in the registry book №78/182-N/78-2019-2-127, 128, certified by the notary of the not. district Saint-Petersburg city Odnoral O.E. on the 05<sup>th</sup> of February 2019 y. (RF, Saint-Petersburg city) – 01 sh., 02 p. (with app. – 02 sh, 04 p.) (in the format “PDF”) (in the nat. Russian language), (\*) copy of the specified diploma *with honors* was registered in the registry book №78/248-n/78-2023-9-230, 234, certified by the notary of the not. district Saint-Petersburg city Soldatenko L.G. on the 09<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 01 sh., 02 p. (with app. – 02 sh, 04 p.) (in the format “PDF”) (in the nat. Russian language), the certification is confirmed **[by demand]** by the head of “The personnel department” of “SPbSETU "LETI"” Shubinsky V.N. on the 28<sup>th</sup> of February 2003 y., the 01<sup>st</sup> of September 2003 y., the 01<sup>st</sup> of September 2004 y., the 01<sup>st</sup> of September 2005 y., the 01<sup>st</sup> of September 2006 y., the 01<sup>st</sup> of September 2007 y., the 01<sup>st</sup> of September 2008 y., the 29<sup>th</sup> of June 2009 y., the 26<sup>th</sup> of January 2010 y., the 01<sup>st</sup> of February 2010 y., the 19<sup>th</sup> of February 2010 y. and the 03<sup>rd</sup> of August 2010 y. – 01 sh., 01 p. (with app. – 02 sh, 04 p.) (in the format “PDF”) (in the national Russian language), the name of file “2\_2\_Vetrov\_AN\_The\_diploma\_of\_SPbSETU\_LETI\_Saint\_Petersburg\_RF\_on\_spec\_220201\_051301\_AN\_Vetrov\_11\_02\_2003\_with\_appendix\_RUS.pdf”, (\*) the name of file “2\_2\_Vetrov\_AN\_Copy\_of\_the\_diploma\_of\_SPbSETU\_LETI\_Saint\_Petersburg\_RF\_on\_spec\_220201\_051301\_AN\_Vetrov\_11\_02\_2003\_with\_app\_Odnoral\_OE\_05\_02\_2019\_RUS.pdf”, (\*) the name of file “2\_2\_Vetrov\_AN\_Copy\_of\_the\_diploma\_of\_SPbSETU\_LETI\_Saint\_Petersburg\_RF\_on\_spec\_220201\_051301\_AN\_Vetrov\_11\_02\_2003\_with\_app\_Soldatenko\_LG\_09\_11\_2023\_RUS.pdf” **[copy of the specified document was submitted on the 26.12.2017 y. and 01.04.2019 y.]**, **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.]**

- 2.3. Copy of the diploma *with honors* of the state sample of RF about the higher education of “The Saint-Petersburg state electrotechnical university “LETI”” the series **confidentially** № **confidentially** to the name of Vetrov A.N. about the fact, that from the 01<sup>st</sup> of September 1997 y. to the 11<sup>th</sup> of February 2003 y. he has passed the professional training on spec. 472500 – “Operation and repair of ship fighting information control systems” (the automated control systems of submarines) (05.13.01 – “The system analysis, control and information processing”), the state attestation commission by the decision from the 11<sup>th</sup> of February 2003 y. (reg. № **confidentially**) has certified the compliance of his qualification (specialization) “Engineer” (Vetrov A.N.) on the conducting of professional activity in the sphere “MU-3” (lieutenant of “NAVY of RF”) **[military sciences]**, the certification is confirmed **[by demand]** by the head of “The personnel department” of “SPbSETU “LETI”” Shubinsky V.N. on the 28<sup>th</sup> of February 2003 y., the 01<sup>st</sup> of September 2003 y., the 01<sup>st</sup> of September 2004 y., the 01<sup>st</sup> of September 2005 y., the 01<sup>st</sup> of September 2006 y., the 01<sup>st</sup> of September 2007 y., the 01<sup>st</sup> of September 2008 y., the 29<sup>th</sup> of June 2009 y., the 26<sup>th</sup> of January 2010 y., the 01<sup>st</sup> of February 2010 y., the 19<sup>th</sup> of February 2010 y. and the 03<sup>rd</sup> of August 2010 y. – **confidentially** (with appendix – **confidentially**) **[the specified document is confidential, therefore will not be submitted]**.
- 2.4. Copy of the diploma *with honors* of the state sample of RF about the professional retraining and the second higher education of “The international banking institute” the series PP №548008 to the name of Vetrov A.N. about the fact, that from the 01<sup>st</sup> of October 2003 y. to the 24<sup>th</sup> of June 2004 y. he has passed the professional (re)training and the improvement of professional skill on spec. 060400 – “Finance and credit” (08.00.10 – “Finance, monetary circulation and credit”), the state attestation commission by the decision from the 24<sup>th</sup> of June 2004 y. (reg. №1004) has certified the compliance of his qualification (specialization) “Expert economist” (Vetrov A.N.) on the conducting of professional activity in the sphere “Banking” **[economic sciences]**, copy of the specified diploma *with honors* was registered in the registry book №D-5507, certified by the notary of the not. district Saint-Petersburg city Bukhtoyarova S.A. on the 07<sup>th</sup> of November 2008 y. (RF, Saint-Petersburg city)–01 sh., 02 p. (with app.–01 sh, 02 p.) (in the format “PDF”) (in the nat. Russian language), (\*) copy of the specified diploma *with honors* was registered in the registry book №78/182-N/78-2019-2-129, 130, certified by the notary of the not. district Saint-Petersburg city Odnoral O.E. on the 05<sup>th</sup> of February 2019 y. (RF, Saint-Petersburg city)–01 sh., 02 p. (with app.–01 sh, 20 p.) (in the format “PDF”) (in the nat. Russian language), (\*) copy of the specified diploma *with honors* was registered in the registry book №78/248-n/78-2023-9-238, 242, certified by the notary of the not. district Saint-Petersburg city Soldatenko L.G. on the 09<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city)–01 sh., 02 p. (with app.–01 sh, 02 p.) (in the format “PDF”) (in the nat. Russian language), the certification is confirmed **[by demand]** by the head of “The personnel department” of “SPbSETU “LETI”” Shubinsky V.N. on the 24<sup>th</sup> of June 2004 y., the 01<sup>st</sup> of September 2004 y., the 01<sup>st</sup> of September 2005 y., the 01<sup>st</sup> of September 2006 y., the 01<sup>st</sup> of September 2007 y., the 01<sup>st</sup> of September 2008 y., the 29<sup>th</sup> of June 2009 y., the 26<sup>th</sup> of January 2010 y., the 01<sup>st</sup> of February 2010 y., the 19<sup>th</sup> of February 2010 y. and the 03<sup>rd</sup> of August 2010 y. – 01 sh., 01 p. (with app. – 01 sh., 02 p.) (in the format “PDF”) (in the national Russian language), the name of file “2\_4\_Vetrov\_AN\_The\_diploma\_of\_IBI\_Saint\_Petersburg\_RF\_on\_spec\_080105\_080010\_AN\_Vetrov\_24\_06\_2004\_with\_appendix\_RUS.pdf”, (\*) the name of file “2\_4\_Vetrov\_AN\_Copy\_of\_the\_diploma\_of\_IBI\_Saint\_Petersburg\_RF\_on\_spec\_080105\_080010\_AN\_Vetrov\_24\_06\_2004\_with\_appendix\_Odnoral\_OE\_05\_02\_2019\_RUS.pdf”, (\*) the name of file “2\_4\_Vetrov\_AN\_Copy\_of\_the\_diploma\_of\_IBI\_Saint\_Petersburg\_RF\_on\_spec\_080105\_080010\_AN\_Vetrov\_24\_06\_2004\_with\_appendix\_Soldatenko\_LG\_09\_11\_2023\_RUS.pdf” **[copy of the specified document was submitted on the 26.12.2017 y. and 01.04.2019 y.]**, **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.]**.

3. The certified copy of the diploma of the candidate of sciences (for the applicants of scientific degree of the doctor of sciences).

3.1. Copy of the diploma of the state sample of RF (“SPbSU”) about the awarding of scientific degree of the candidate of technical sciences of “The Saint-Petersburg state university” the series AA20 №000041 to the name of Vetrov A.N. about the fact, that on the 21<sup>st</sup> of October 2020 y. he has awarded the scientific degree of the candidate of technical sciences on spec. 05.13.01 – “The system analysis, control and information processing”, the dissertation council by the decision of “The dissertation council” of “SPbSU” A05.20.6784 from the 21<sup>st</sup> of October 2020 y. №1 (The order of “SPbSU” from the 27<sup>th</sup> of January 2021 y. №640/1) has certified the compliance of his scientific degree (specialty) “Candidate of technical sciences” (Vetrov A.N.) on the conducting of professional activity in the sphere “The system analysis, control and information processing” **[technical sciences]**, (\*) copy of the specified diploma was registered in the registry book №78/248-n/78-2023-9-246, certified by the notary of the not. district Saint-Petersburg city Soldatenko L.G. on the 09<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 01 sh., 02 p. (in the format “PDF”) (in the national Russian language), the certification is confirmed **[by demand]** by the vice-rector in legal affairs of “SPbSU”, c.j.s., associate prof. Penov Yu.V. on the 27<sup>th</sup> of January 2021 y. – 01 sh., 02 p. (in the format “PDF”) (in the national Russian language), the name of file “3\_1\_Vetrov\_AN\_The\_diploma\_of\_SPbSU\_Saint\_Petersburg\_RF\_candidate\_of\_technical\_sciences\_on\_spec\_051301\_AN\_Vetrov\_21\_10\_2020\_RUS.pdf”, (\*) the name of file “3\_1\_Vetrov\_AN\_The\_diploma\_of\_SPbSU\_Saint\_Petersburg\_RF\_candidate\_of\_technical\_sciences\_on\_spec\_051301\_AN\_Vetrov\_21\_10\_2020\_Soldatenko\_LG\_09\_11\_2023\_RUS.pdf” **[copy of the specified document was certified at the notary and submitted on the 21<sup>st</sup> of November 2023 y.]**

**[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the “ 09<sup>th</sup> of November 2023 y.]**

4. The document, confirming the passing of candidate examinations (for the applicants of scientific degree of the candidate of sciences) [copy of the specified document was submitted on the 26.12.2017 y. and 01.04.2019 y.], [the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.].
5. The review of scientific supervisor (for the applicants of scientific degree of the candidate of sciences)/ scientific consultant (for the applicants of scientific degree of the doctor of sciences) (in the presence).
- 5.1. The application about the consent to act as the scientific consultant on the defence of Vetrov A.N. **[!!! agreed!!!]** (with app. according to the list of documents) to the name of the scientific secretary of “The scientific council” (“SC”) of “SPbSU”, c.biol.s., prof. Gnetov A.V. – 02 sh., 02 p., 4 pts. (in the format “PDF”) (in the nat. Russian language and the int. English language) **[1 pts. for the dean of the faculty “AM – CP” of “SPbSU”, d.ph.-m.s., prof. Petrosyan L.A., 1 pts. for the head of the chair “MSES” of the faculty “AM – CP” of “SPbSU”, d.ph.-m.s., prof. Malafeyev O.A., 1 pts. for the head of “DSADS” of “SPbSU” Alekseeva I.V. and 1 pts. for “AUT CMT SFA” Vetrov A.N.]**, the name of file “The\_application\_of\_the\_scientific\_consultant\_into\_DSADC\_of\_SPbSU\_Malafeyev\_OA\_04\_11\_2023\_RUS.pdf”, the name of file “The\_application\_of\_the\_scientific\_consultant\_into\_DSADC\_of\_SPbSU\_Malafeyev\_OA\_04\_11\_2023\_ENG.pdf”, the name of file “The\_application\_of\_the\_scientific\_consultant\_into\_DSADC\_of\_SPbSU\_Malafeyev\_OA\_06\_12\_2023\_RUS.pdf”, the name of file “The\_application\_of\_the\_scientific\_consultant\_into\_DSADC\_of\_SPbSU\_Malafeyev\_OA\_06\_12\_2023\_ENG.pdf”.
- 5.2. The details about the candidate to the scientific consultants **[!!! agreed!!!]** (the list of scientific works of Malafeyev O.A. was processed) of “The dissertation council” of “SPbSU” on the defence of dissertation on the rights of manuscript of Vetrov Anatoly Nikolaevich on the theme “The cognitive modeling technology for the system analysis of the information-educational environments” on the competition of scientific degree of the doctor of technical sciences on the specialty 2.3.1. “The system analysis, control and information processing” (05.13.01 – “The system analysis, control and information processing”) (technical sciences) (the public international protection) – 47 (39) sh., 47 (39) p., 4 pts. (in the format “PDF”) (in the nat. Russian language and the int. English language) **[1 pts. for the dean of the faculty “AM – CP” of “SPbSU”, d.ph.-m.s., prof. Petrosyan L.A., 1 pts. for the head of the chair “MSES” of the faculty “AM – CP” of “SPbSU”, d.ph.-m.s., prof. Malafeyev O.A., 1 pts. for the head of “DSADS” of “SPbSU” Alekseeva I.V. and 1 pts. for “AUT CMT SFA” Vetrov A.N.]**, the name of file “The\_details\_about\_the\_candidate\_to\_the\_scientific\_consultants\_of\_DC\_of\_SPbSU\_Malafeyev\_OA\_04\_11\_2023\_RUS.pdf”, the name of file “The\_details\_about\_the\_candidate\_to\_the\_scientific\_consultants\_of\_DC\_of\_SPbSU\_Malafeyev\_OA\_04\_11\_2023\_ENG.pdf”, the name of file “The\_details\_about\_the\_candidate\_to\_the\_scientific\_consultants\_of\_DC\_of\_SPbSU\_Malafeyev\_OA\_06\_12\_2023\_RUS.pdf”, the name of file “The\_details\_about\_the\_candidate\_to\_the\_scientific\_consultants\_of\_DC\_of\_SPbSU\_Malafeyev\_OA\_06\_12\_2023\_ENG.pdf”.

5.3. The review of scientific consultant, the head of the chair “ Modeling of social-economic systems ” ( “ M S E S ” ) of the faculty “Applied mathematics – control processes” ( “AM – CP” ) of “The Saint-Petersburg state university” ( “SPbSU” ), d.ph.-m.s., prof. Malafeyev Oleg Alekseyevich from the “ \_\_\_<sup>th</sup>” of November 2023 y. on the dissertation (in the form of manuscript) on the rights of manuscript of Vetrov Anatoly Nikolayevich on the theme “ The cognitive modeling technology for the system analysis of the information-educational environments ” (the initial theme “The environment of automated training with the properties of adaptation based on the cognitive models” – the research and processing of data) ( « Т е х н о л о г и я к о г н и т и в н о г о м о д е л и р о в а н и я д л я с и с т е м н о г о а н а л и з а i н ф о р м а ц и о н н о - о б р а з о в а т е л ь н ы х с р е д » (исходная тема «Среда автоматизированного обучения со свойствами адаптации на основе когнитивных моделей» – исследование и обработка данных)) *on the competition of scientific degree of the doctor of technical sciences* on the specialty 05.13.01 – “The system analysis, control and information processing” ( « С и с т е м н ы й а н а л и з , у п р а в л е н и е и о б р а б о т к а i н ф о р м а ц и и » ) ( t e c h n i c a l s c i e n c e s ( т е х н и ч е с к и е н а у к и ) ) **[3 volumes, 910 p.: vol. 1, 240 p., 2006 y., vol. 2, 252 p., 2006 y. and vol. 3, 418 p., 2008 y., 2010 y.]** (the adaptive systems of automatic control with the determined entrance influences and the reference cognitive models of the subject of training and the means of training, t h e r e c o n s t r u c t e d m o d e l s o f t h e c o g n i t i v e p r o c e s s e s (адаптивные системы автоматического управления с детерминированными входными воздействиями и эталонными когнитивными моделями субъекта обучения и средства обучения, реконструируемые модели когнитивных процессов) ), certified by the specialist of “The personnel department” of “SPbSU” o n t h e “ \_\_\_<sup>th</sup>” o f N o v e m b e r 2 0 2 3 y . – 10 sh., 10 p. (in the format “PDF”) (in the nat. Russian language and the int. English language), the name of file “Vetrov\_AN\_The\_response\_of\_the\_scientific\_consultant\_dph\_ms\_prof\_Malafeyev\_OA\_08\_11\_2023\_RUS\_ENG.pdf” **[the original copy of the specified document was submitted on the 21<sup>st</sup> of November 2023 y.]** **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the “ \_\_\_<sup>th</sup>” of November 2023 y.]**

6. The conclusion (presentation) of the organization, where the doctoral dissertation was performed (in the presence).

The external documents (2006-2007 ac. y.)

“The Saint-Petersburg state electrotechnical university “LETI”” [the predefence]

- 6.1. Copy of my handwritten application from the 19<sup>th</sup> of April 2006 y. with app. to the name of the vice-rector in learning work of “SPbSETU “LETI””, the head of the chair “ACP”, c.t.s., prof. Kuzmin N.N. with his resolution “*Accepted for the consideration on the 19.04.2006 y.*”, certified by the head of “The personnel department” of “SPbSETU “LETI”” Shubinsky V.N. on the 01<sup>st</sup> of February 2010 y. – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), (\*) copy from copy of the specified application, certified by the head of “The personnel department” of “SPbSETU “LETI”” Shubinsky V.N. on the 01<sup>st</sup> of February 2010 y. was registered in the registry book №78/357-n/78-2023-22-476, certified by the notary of the not. district Saint-Petersburg city Oleneva E.N. on the 13<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 01 sh., 02 p. (in the format “PDF”) (in the nat. Russian language), (\*) copy of the specified application was registered in the registry book №78/182-n/78-2023-3-1236, certified by the notary of the not. district Saint-Petersburg city Odnoral O.E. on the 14<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 01 sh., 02 p. (in the format “PDF”) (in the nat. Russian language), the name of file “Hand\_written\_application\_from\_the\_19th\_of\_April\_2006\_y\_with\_appendices\_to\_the\_name\_of\_the\_vice\_root\_on\_training\_work\_SPbSETU\_LETI\_the\_head\_of\_chair\_ACP\_cts\_prof\_Kuzmin\_NN\_orig\_RUS.pdf”, the name of file “Hand\_written\_application\_from\_the\_19th\_of\_April\_2006\_y\_with\_appendices\_to\_the\_name\_of\_the\_vice\_root\_on\_training\_work\_SPbSETU\_LETI\_the\_head\_of\_chair\_ACP\_cts\_prof\_Kuzmin\_NN\_Shubinsky\_VN\_01\_02\_2010\_RUS.pdf”, (\*) the name of file “Copy\_of\_the\_hand\_written\_application\_from\_the\_19th\_of\_April\_2006\_y\_with\_appendices\_to\_the\_name\_of\_the\_vice\_root\_on\_training\_work\_SPbSETU\_LETI\_the\_head\_of\_chair\_ACP\_cts\_prof\_Kuzmin\_NN\_Oleneva\_EN\_13\_11\_2023\_RUS.pdf”, (\*) the name of file “Copy\_of\_the\_hand\_written\_application\_from\_the\_19th\_of\_April\_2006\_y\_with\_appendices\_to\_the\_name\_of\_the\_vice\_root\_on\_training\_work\_SPbSETU\_LETI\_the\_head\_of\_chair\_ACP\_cts\_prof\_Kuzmin\_NN\_Odnoral\_OE\_14\_11\_2023\_RUS.pdf”  
**[copy of the specified document was submitted on the 01<sup>st</sup> of April 2019 y.], [the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.]**
- 6.2. Copy of the announcement “*On the 3<sup>rd</sup> of October 2006 year at 11 hours 30 minutes on the chair “ACP” will hold the pre-defense of the dissertation work of postgraduate student Vetrov A.N. and the presentation with the report on the theme: “Models and technique of the estimation of efficiency of the interaction of user with the information and communication technologies in the environment of automated (remote) training”*”, signed by the head of the chair “ACP” of “SPbSETU “LETI””, c.t.s., prof. Kuzmin N.N., certified by the head of “The personnel department” of “SPbSETU “LETI”” Shubinsky V.N. on the 01<sup>st</sup> of February 2010 y. – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), (\*) copy from copy of the specified announcement was registered in the registry book №78/182-n/78-2023-3-1253, certified by the notary of the not. district Saint-Petersburg city Odnoral O.E. on the 14<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 01 sh., 02 p. (in the format “PDF”) (in the nat. Russian language), the name of file “Announcement\_from\_the\_03rd\_of\_October\_2006\_y\_signed\_by\_the\_head\_of\_chair\_ACP\_cts\_prof\_Kuzmin\_NN\_orig\_RUS.pdf”, the name of file “Copy\_of\_the\_announcement\_from\_the\_03rd\_of\_October\_2006\_y\_signed\_by\_the\_head\_of\_chair\_ACP\_cts\_prof\_Kuzmin\_NN\_Shubinsky\_VN\_01\_02\_2010\_RUS.pdf”, the name of file “Copy\_of\_the\_announcement\_from\_the\_03rd\_of\_October\_2006\_y\_signed\_by\_the\_head\_of\_chair\_ACP\_cts\_prof\_Kuzmin\_NN\_Odnoral\_OE\_14\_11\_2023\_RUS.pdf”  
**[copy of the specified document was submitted on the 01<sup>st</sup> of April 2019 y.], [the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.]**



- 6.3. Copy of the announcement “*On the 11<sup>th</sup> of December 2006 year at 15 hours 00 minutes on the chair "ACP" will hold the pre-defence of the dissertation work of postgraduate student Vetrov A.N. on the theme: "The environment of automated training with the properties of adaptation based on the cognitive models" "*”, signed by the head of the chair “ACP”, c.t.s., prof. Kuzmin N.N., certified by the head of “The personnel department” of “SPbSETU "LETI"” Shubinsky V.N. on the 01<sup>st</sup> of February 2010 y. – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), (\*) copy from copy of the specified announcement was registered in the registry book №78/357-n/78-2023-25-30, certified by the notary of the not. district Saint-Petersburg city Oleneva E.N. on the 13<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 01 sh., 01 p. (in the format “PDF”) (in the nat. Russian language), (\*) copy from copy of the specified announcement was registered in the registry book №78/182-n/78-2023-3-1249, certified by the notary of the not. district Saint-Petersburg city Odnoral O.E. on the 14<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 01 sh., 01 p. (in the format “PDF”) (in the nat. Russian language), the name of file “Copy\_of\_the\_announcement\_from\_the\_11th\_of\_December\_2006\_y\_signed\_by\_the\_head\_of\_chair\_ACP\_cts\_prof\_Kuzmin\_NN\_Shubinsky\_VN\_01\_02\_2010\_RUS.pdf”, the name of file “Copy\_of\_the\_announcement\_from\_the\_11th\_of\_December\_2006\_y\_signed\_by\_the\_head\_of\_chair\_ACP\_cts\_prof\_Kuzmin\_NN\_Oleneva\_EN\_13\_11\_2023\_RUS.pdf”, the name of file “Copy\_of\_the\_announcement\_from\_the\_11th\_of\_December\_2006\_y\_signed\_by\_the\_head\_of\_chair\_ACP\_cts\_prof\_Kuzmin\_NN\_Odnoral\_OE\_14\_11\_2023\_RUS.pdf” **[copy of the specified document was submitted on the 01<sup>st</sup> of April 2019 y.], [the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.]**
- 6.4. Copy of the positive extract from the protocol of meeting of the chair “ACP” from the 11<sup>th</sup> of December 2006 y. in the fact of performance of Vetrov A.N. with the scientific report and multimedia-presentation at the predefence of dissertation of Vetrov A.N., signed by the deputy of the head of the chair “ACP” of the faculty “CTI” of “SPbSETU "LETI"”, c.t.s., associate prof. Alekseyev A.A., the scientific secretary of the chair “ACP” Berezin S.A. and approved by the vice-rector in scientific work of “SPbSETU "LETI"”, d.ph.-m.s., prof. Afanasyev V.P., certified by the deputy of the head of “The personnel department” of “SPbSETU "LETI"” Sarayev N.A. on the 05<sup>th</sup> of June 2007 y., certified by the head of “The personnel department” of “SPbSETU "LETI"” Shubinsky V.N. on the 10<sup>st</sup> of February 2010 y. – 11 sh., 11 p. (in the format “PDF”) (in the national Russian language), (\*) copy from copy of the specified extract was registered in the registry book №78/357-n/78-2023-22-480, certified by the notary of the not. district Saint-Petersburg city Oleneva E.N. on the 13<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 12 sh., 12 p. (in the format “PDF”) (in the nat. Russian language), (\*) copy from copy of the specified extract was registered in the registry book №78/182-n/78-2023-3-1290, certified by the notary of the not. district Saint-Petersburg city Odnoral O.E. on the 14<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 11 sh., 11 p. (in the format “PDF”) (in the nat. Russian language), имя файла в БД «СПбГУ» “0\_4\_Vetrov\_AN\_Copy\_of\_the\_positive\_extract\_from\_protocol\_of\_meeting\_of\_chair\_ACP\_from\_the\_11\_12\_2006.pdf”, the name of file in DB of “SPbSU” “0\_4\_Vetrov\_AN\_Copy\_of\_the\_positive\_extract\_from\_the\_protocol\_of\_meeting\_of\_the\_chair\_ACP\_of\_SPbSETU\_LETI\_from\_the\_11\_12\_2006\_certified\_on\_the\_05\_06\_2007\_RUS.pdf”, (\*) the name of file “Vetrov\_AN\_Copy\_of\_the\_positive\_extract\_from\_the\_protocol\_of\_meeting\_of\_the\_chair\_ACP\_of\_SPbSETU\_LETI\_from\_the\_11\_12\_2006\_certified\_by\_Saraev\_NA\_on\_the\_05\_06\_2007\_Oleneva\_EN\_13\_11\_2023\_RUS.pdf”, (\*) the name of file “Vetrov\_AN\_Copy\_of\_the\_positive\_extract\_from\_the\_protocol\_of\_meeting\_of\_the\_chair\_ACP\_of\_SPbSETU\_LETI\_from\_the\_11\_12\_2006\_certified\_by\_Saraev\_NA\_on\_the\_05\_06\_2007\_Odnoral\_OE\_14\_11\_2023\_RUS.pdf” **[copy of the specified document was submitted on the 01<sup>st</sup> of April 2019 y.], [the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.]**

- 6.5. Copy of my application from the 15<sup>th</sup> of April 2010 y. №542 with app. to the name of the scientific secretary of “The scientific council” of “SPbSETU "LETI"”, d.t.s., prof. Sokolov S.S. with his resolution “*The application of Vetrov A.N. has received and got acquainted with it on the 19.04.2010 y.*” on the question of submission of my autoabstract of my dissertation in the form of manuscript on the theme “The environment of automated training with the properties of adaptation based on the cognitive models” on the competition of scientific degree of the doctor of technical sciences on the specialties 05.13.01 – “The system analysis, control and information processing” and 19.00.03 – “Psychology of work, engineering psychology and ergonomics” **[for the informing about the consisted situation with the organization of defence of the specified my dissertations and the carrying out of the verification of documentation in the divisions of “SPbSETU "LETI"”]** – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), (\*) copy of the specified application was registered in the registry book №78/357-n/78-2023-25-38, certified by the notary of the not. district Saint-Petersburg city Oleneva E.N. on the 13<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 01 sh., 02 p. (in the format “PDF”) (in the nat. Russian language), (\*) copy of the specified application was registered in the registry book №78/182-n/78-2023-3-1240, certified by the notary of the not. district Saint-Petersburg city Odnoral O.E. on the 14<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 01 sh., 02 p. (in the format “PDF”) (in the nat. Russian language), the name of file “Application\_from\_15\_04\_2010\_y\_N542\_to\_the\_name\_of\_the\_sci\_secretary\_of\_The\_sci\_council\_of\_SPbSETU\_LETI\_Sokolov\_SS\_orig\_RUS.pdf”, the name of file “Copy\_of\_the\_application\_from\_15\_04\_2010\_y\_N542\_to\_the\_name\_of\_the\_sci\_secretary\_of\_The\_sci\_council\_of\_SPbSETU\_LETI\_Sokolov\_SS\_Oleneva\_EN\_13\_11\_2023\_RUS.pdf”, the name of file “Copy\_of\_the\_application\_from\_15\_04\_2010\_y\_N542\_to\_the\_name\_of\_the\_sci\_secretary\_of\_The\_sci\_council\_of\_SPbSETU\_LETI\_Sokolov\_SS\_Odnoral\_OE\_14\_11\_2023\_RUS.pdf” **[copy of the specified document was submitted on the 01<sup>st</sup> of April 2019 y.], [the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.]**
- 6.6. Copy of my application from the 29.06.2010 y. №919 with app. to the name of the chairman of “The dissertation council D212.238.07”, d.t.s., prof. Sovetov B.Ya. on the question of submission of the materials of my add. appendices (on the 29<sup>th</sup> of June 2010 y., vol. 3, 437 p.) to my dissertation in the form of manuscript (total 3 volumes) on the theme “The environment of automated training with the properties of adaptation based on the cognitive models” on the competition of scientific degree of the doctor of technical sciences on the specialties 05.13.01 – “The system analysis, control and information processing” and 19.00.03 – “Psychology of work, engineering psychology and ergonomics” (on the 07<sup>th</sup> of June 2005 y., the 31<sup>st</sup> of January 2006 y., the 19<sup>th</sup> of April 2006 y., the 19<sup>th</sup> of September 2006 y. and the 10<sup>th</sup> of October 2006 y. – vol. 1, 176 p. with app. of vol. 2, 220 p. and on the 29<sup>th</sup> of June 2010 y. – vol. 3, 437 p.) was submitted to “The dissertation council D212.238.07” at “SPbSETU "LETI"” **[the results of the add. program of experiments for the confirmation of compliance to the areas of research and the branches of science of the scientific specialty 05.13.01]** – 01 sh., 02 p. (in the format “PDF”) (in the national Russian language), (\*) copy of the specified application was registered in the registry book №78/357-н/78-2023-25-54, certified by the notary of the not. district Saint-Petersburg city Oleneva E.N. on the 13<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 02 sh., 03 p. (in the format “PDF”) (in the nat. Russian language), (\*) copy of the specified application was registered in the registry book №78/182-n/78-2023-3-1244, certified by the notary of the not. district Saint-Petersburg city Odnoral O.E. on the 14<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 02 sh., 03 p. (in the format “PDF”) (in the nat. Russian language), the name of file “Application\_from\_29\_06\_2010\_y\_N919\_to\_the\_name\_of\_the\_chairman\_of\_dissertation\_council\_dts\_prof\_Sovetov\_BY\_orig\_RUS.pdf”, the name of file “Copy\_of\_the\_application\_from\_29\_06\_2010\_y\_N919\_to\_the\_name\_of\_the\_chairman\_of\_dissertation\_council\_dts\_prof\_Sovetov\_BY\_Oleneva\_EN\_13\_11\_2023\_RUS.pdf”, the name of file “Copy\_of\_the\_application\_from\_29\_06\_2010\_y\_N919\_to\_the\_name\_of\_the\_chairman\_of\_dissertation\_council\_dts\_prof\_Sovetov\_BY\_Odnoral\_OE\_14\_11\_2023\_RUS.pdf” **[copy of the specified document was submitted on the 01<sup>st</sup> of April 2019 y.], [the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.]**

6.7. Copy of the letter from the 15.09.2010 y. №0026/1031, signed by the chairman of “The dissertation council D212.238.07” at “SPbSETU "LETI"”, d.t.s., prof. Sovetov B.Ya. (the performer: the scientific secretary of “The dissertation council of D212.238.07” at “SPbSETU "LETI"”, c.t.s., associate prof. Tsekhanovsky V.V.) *“In the response to Your application from the 29.06.2010 y. №919 he reports, that the dissertation council D212.238.07 at “SPbSETU "LETI”” n. a. V.I. Ulyanov (Lenin)” begins to the consideration of the dissertation work at the applicant submits all the necessary documents according to the item 3.6.1 of The regulation about the council on the defence of doctoral and candidate dissertations, approved by the order of “The mineduscience of Russia” from the 09<sup>th</sup> of January 2007 y. №2, including copy of the diploma of the candidate of sciences for the applicant of the scientific degree of the doctor of sciences” – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language),* (\*) copy of the specified letter was registered in the registry book №78/357-n/78-2023-25-42, certified by the notary of the not. district Saint-Petersburg city Oleneva E.N. on the 13<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 01 sh., 02 p. (in the format “PDF”) (in the nat. Russian language), (\*) copy of the specified letter was registered in the registry book №78/182-n/78-2023-3-1232, certified by the notary of the not. district Saint-Petersburg city Odnoral O.E. on the 14<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 01 sh., 02 p. (in the format “PDF”) (in the nat. Russian language), the name of file “Letter\_from\_15\_09\_2010\_y\_N0026\_1031\_from\_the\_chairman\_of\_dissertation\_council\_D212\_238\_07\_of\_SPbSETU\_LETI\_d\_t\_s\_prof\_Sovetov\_BY\_orig\_RUS.pdf”, the name of file “Copy\_of\_the\_letter\_from\_15\_09\_2010\_y\_N0026\_1031\_from\_the\_chairman\_of\_dissertation\_council\_D212\_238\_07\_of\_SPbSETU\_LETI\_d\_t\_s\_prof\_Sovetov\_BY\_Oleneva\_EN\_13\_11\_2023\_RUS.pdf”, the name of file “Copy\_of\_the\_letter\_from\_15\_09\_2010\_y\_N0026\_1031\_from\_the\_chairman\_of\_dissertation\_council\_D212\_238\_07\_of\_SPbSETU\_LETI\_d\_t\_s\_prof\_Sovetov\_BY\_Odnoral\_OE\_14\_11\_2023\_RUS.pdf”

**[copy of the specified document was submitted on the 01<sup>st</sup> of April 2019 y.],**  
**[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.],**

The internal documents (2023-2024 ac. y.)

*“The Saint-Petersburg state university”*

**[the predefence (doctor of technical sciences)]**

- 6.8. The positive extract from the protocol of meeting of the chair “IS” (“MSES”) from the “ \_\_\_<sup>th</sup>” of November 2023 y. in the fact of performance of Vetrov A.N. with the scientific report (with the multimedia - presentation and information materials) at the preliminary defence of dissertation (in the form of manuscript) on the rights of manuscript “ *T h e c o g n i t i v e m o d e l i n g t e c h n o l o g y* for the system analysis of the information-educational environments” (the initial theme “The environment of automated training with the properties of adaptation based on the cognitive models” – the research and processing of data) ( *« Т е х н о л о г и я к о г н и т и в н о г о м о д е л и р о в а н и я* для системного анализа информационно-образовательных сред» (исходная тема «Среда автоматизированного обучения со свойствами адаптации на основе когнитивных моделей» – исследование и обработка данных)) on the competition of scientific degree of the doctor of technical sciences on the specialty 05.13.01 – “The system analysis, control and information processing” ( *« С и с т е м н ы й а н а л и з , у п р а в л е н и е и о б р а б о т к а и н ф о р м а ц и и »*) ( *t e c h n i c a l s c i e n c e s ( т е х н и ч е с к и е н а у к и )*) **[3 volumes, 910 p.: vol. 1, 240 p., 2006 y., vol. 2, 252 p., 2006 y. and vol. 3, 418 p., 2008 y., 2010 y.]** (the adaptive systems of automatic control with the determined entrance influences and the reference cognitive models of the subject of training and the means of training, *t h e r e c o n s t r u c t e d m o d e l s o f t h e c o g n i t i v e p r o c e s s e s* (адаптивные системы автоматического управления с детерминированными входными воздействиями и эталонными когнитивными моделями субъекта обучения и средства обучения, *р е к о н с т р у и р у е м ы е м о д е л и к о г н и т и в н ы х п р о ц е с с о в*)) of the applicant of scientific degree Vetrov A.N., signed by the head of the chair “IS” of the faculty “AM – CP” of “SPbSU”, d.ph.-m.s., prof. Olemskoy I.V. and the sci. secr. of the chair “IS” of the faculty “AM – CP” of “SPbSU”, c.ph.-m.s., associate prof. Eremin A.S. – 23 sh., 23 p. (in the format “PDF”) (in the nat. Russian language and the int. English language), the name of file “Vetrov\_AN\_The\_positive\_extract\_from\_the\_protocol\_of\_meeting\_of\_the\_chair\_IS\_of\_SPbSU\_from\_the\_30\_10\_2018\_RUS\_ENG.pdf” **[the original copy of the specified document was submitted on the 21<sup>st</sup> of November 2023 y.]**, **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the “ \_\_\_<sup>th</sup>” of November 2023 y.]**

6.9. The positive conclusion of “The Federal state budgetary educational establishment of higher education (FSBEHE) “The Saint-Petersburg state university” (“SPbSU”)” from the “<sup>th</sup>” of November 2023 y. on the dissertation (in the form of manuscript) on the rights of manuscript on the theme “The cognitive modeling technology for the system analysis of the information-educational environments” (the initial theme “The environment of automated training with the properties of adaptation based on the cognitive models” – the research and processing of data) ( «Технология когнитивного моделирования для системного анализа информационно-образовательных сред» (исходная тема «Среда автоматизированного обучения со свойствами адаптации на основе когнитивных моделей» – исследование и обработка данных)) on the competition of scientific degree of the doctor of technical sciences on the specialty 05.13.01 – “The system analysis, control and information processing” («Системный анализ, управление и обработка информации») (technical sciences (technical sciences)) **[3 volumes, 910 p.: vol. 1, 240 p., 2006 y., vol. 2, 252 p., 2006 y. and vol. 3, 418 p., 2008 y., 2010 y.]** (the adaptive systems of automatic control with the determined entrance influences and the reference cognitive models of the subject of training and the means of training, the reconstructed models of the cognitive processes (адаптивные системы автоматического управления с детерминированными входными воздействиями и эталонными когнитивными моделями субъекта обучения и средства обучения, реконструируемые модели когнитивных процессов)) of the applicant of scientific degree Vetrov A.N., signed by the chairman of expert group of the faculty “AM – CP” of “SPbSU” – the head of the chair “Computer technologies and systems”, d.ph.-m.s., prof. Veremey E.I., the members of expert group (commission) of the faculty “AM – CP” of “SPbSU”: the head of the chair “Modeling of social-economic systems”, d.ph.-m.s., prof. Malafeyev O.A., the head of the chair “Theory of control”, d.ph.-m.s., prof. Zhabko A.P., the head of the chair “Computer modeling and multiprocessor systems”, d.ph.-m.s., prof. Andrianov S.N., the head of the chair “Higher mathematics”, d.ph.-m.s., prof. Kamachkin A.M. and prof. of the chair “Modeling of electromechanical and computer systems”, d.ph.-m.s., prof. Kurbatova G.I. – 30 sh., 30 p. (in the format “PDF”) (in the national Russian language and the international English language), the name of file “Vetrov\_AN\_The\_conclusion\_of\_SPbSU\_on\_the\_dissertation\_from\_the\_24\_12\_2018\_RUS.pdf”, the name of file “Vetrov\_AN\_The\_conclusion\_of\_SPbSU\_on\_the\_dissertation\_from\_the\_24\_12\_2018\_ENG.pdf” **[the original copy of the specified document was submitted on the 21<sup>st</sup> of November 2023 y.]** **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the “<sup>th</sup>” of November 2023 y.]**

7. The list of publications (scientific works), in which the main scientific results of the dissertation on the competition of scientific degree of the doctor of sciences, on the competition of scientific degree of the candidate of sciences are stating.
- 7.1. The official list of scientific works of Vetrov A.N. (261 on 2017-2018 y.) – 44 sh., 44 p. (in the format “PDF”) (in the nat. Russian language and the int. English language) **[not relevant]**, the name of file “4\_1\_Vetrov\_AN\_The\_official\_list\_of\_scientific\_works\_from\_the\_16\_01\_2018\_RUS.pdf”, the name of file “4\_1\_Vetrov\_AN\_The\_official\_list\_of\_scientific\_works\_from\_the\_16\_01\_2018\_ENG.pdf” **[the original copy of the specified document was submitted on the 26<sup>th</sup> of December 2017 y.]**, **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.]**
- 7.2. The official list of scientific works of Vetrov A.N. (265 on 2018-2019 ac. y. and 314 on 2023 y.) – 56 (45) sh., 56 (45) p. (in the format “PDF”) (in the nat. Russian language and the int. English language), the name of file “4\_1\_Vetrov\_AN\_The\_official\_list\_of\_scientific\_works\_from\_the\_01\_12\_2018\_RUS.pdf”, the name of file “4\_1\_Vetrov\_AN\_The\_official\_list\_of\_scientific\_works\_from\_the\_01\_12\_2018\_ENG.pdf”, the name of file “4\_1\_Vetrov\_AN\_The\_official\_list\_of\_scientific\_works\_from\_the\_29\_01\_2019\_RUS.pdf”, the name of file “4\_1\_Vetrov\_AN\_The\_official\_list\_of\_scientific\_works\_from\_the\_29\_01\_2019\_ENG.pdf” **[the original copy of the specified document was submitted on the 01<sup>st</sup> of April 2019 y.]**, **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.]**, the name of file “4\_1\_Vetrov\_AN\_The\_official\_list\_of\_scientific\_works\_from\_the\_13\_10\_2023\_RUS.pdf”, the name of file “4\_1\_Vetrov\_AN\_The\_official\_list\_of\_scientific\_works\_from\_the\_13\_10\_2023\_ENG.pdf” **[the original copy of the specified document was submitted on the 31<sup>st</sup> of October 2023 y.]**, **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the “<sup>th</sup>” of November 2023 y.]**
- 7.3. The general structure of scientific works of ““the author of the unique technology” of cognitive modeling for the system, financial and complex analysis at the micro-level” (“AUT CMT SFA”) Vetrov A.N. (on 2018-2019 ac. y.) – 01 sh., 01 p. (in the format “PDF”) (in the nat. Russian language and the int. English language), the name of file “4\_1\_Vetrov\_AN\_The\_general\_structure\_of\_scientific\_works\_from\_the\_22\_04\_2019\_RUS.pdf”, the name of file “4\_1\_Vetrov\_AN\_The\_general\_structure\_of\_scientific\_works\_from\_the\_22\_04\_2019\_ENG.pdf” **[the original copy of the specified document was submitted on the 22<sup>nd</sup> of April 2019 y.]**, **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 22<sup>nd</sup> of April 2019 y.]**, the name of file “4\_1\_Vetrov\_AN\_The\_general\_structure\_of\_scientific\_works\_from\_the\_05\_11\_2023\_RUS.pdf”, the name of file “4\_1\_Vetrov\_AN\_The\_general\_structure\_of\_scientific\_works\_from\_the\_05\_11\_2023\_ENG.pdf” **[the original copy of the specified document was submitted on the 31<sup>st</sup> of October 2023 y.]**, **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the “<sup>th</sup>” of November 2023 y.]**

- 7.4. The list of scientific publications, in which the main scientific results of the dissertation on the competition of scientific degree of the doctor of technical sciences on the specialty 05.13.01 – “The system analysis, control and information processing” on the theme “The cognitive modeling technology for the system analysis of the information-educational environments” are stating, published in the reviewed scientific editions of Vetrov A.N. (14 on 2018-2019 ac. y.) – 07 sh., 07 p. (in the format “PDF”) (in the nat. Russian language and the int. English language), the name of file “4\_1\_Vetrov\_AN\_The\_list\_of\_the\_scientific\_publications\_of\_the\_applicant\_in\_the\_reviewed\_scientific\_editions\_from\_the\_22\_04\_2019\_RUS.pdf”, the name of file “4\_1\_Vetrov\_AN\_The\_list\_of\_the\_scientific\_publications\_of\_the\_applicant\_in\_the\_reviewed\_scientific\_editions\_from\_the\_22\_04\_2019\_ENG.pdf”, the name of file “4\_1\_Vetrov\_AN\_The\_list\_of\_the\_scientific\_publications\_of\_the\_applicant\_in\_the\_reviewed\_scientific\_editions\_from\_the\_22\_04\_2019\_RUS\_ENG.pdf” **[the original copy of the specified document was submitted on the 22<sup>nd</sup> of April 2019 y.], [the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 22<sup>nd</sup> of April 2019 y.],** the name of file “4\_1\_Vetrov\_AN\_The\_list\_of\_the\_scientific\_publications\_of\_the\_applicant\_in\_the\_reviewed\_scientific\_editions\_from\_the\_12\_03\_2020\_RUS.pdf” **[without date],** the name of file “4\_1\_Vetrov\_AN\_The\_list\_of\_the\_scientific\_publications\_of\_the\_applicant\_in\_the\_reviewed\_scientific\_editions\_from\_the\_12\_03\_2020\_ENG.pdf” **[without date],** the name of file “4\_1\_Vetrov\_AN\_The\_list\_of\_the\_scientific\_publications\_of\_the\_applicant\_in\_the\_reviewed\_scientific\_editions\_from\_the\_12\_03\_2020\_RUS\_ENG.pdf” **[without date], [it were repeatedly prepared by Vetrov A.N. by the request of employees of “DSADC” of “SPbSU”], [the original copy of the specified document was submitted on the 12<sup>th</sup> of March 2020 y.], [the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 12<sup>th</sup> of March 2020 y.],** the name of file “4\_1\_Vetrov\_AN\_The\_list\_of\_the\_scientific\_publications\_of\_the\_applicant\_in\_the\_reviewed\_scientific\_editions\_from\_the\_24\_03\_2020\_RUS.pdf”, the name of file “4\_1\_Vetrov\_AN\_The\_list\_of\_the\_scientific\_publications\_of\_the\_applicant\_in\_the\_reviewed\_scientific\_editions\_from\_the\_24\_03\_2020\_ENG.pdf”, the name of file “4\_1\_Vetrov\_AN\_The\_list\_of\_the\_scientific\_publications\_of\_the\_applicant\_in\_the\_reviewed\_scientific\_editions\_from\_the\_24\_03\_2020\_RUS\_ENG.pdf” **[it were repeatedly prepared by Vetrov A.N. by the request of employees of “DSADC” of “SPbSU”], [the original copy of the specified document was submitted on the 24<sup>th</sup> of March 2020 y.], [the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 24<sup>th</sup> of March 2020 y.],** the name of file “4\_1\_Vetrov\_AN\_The\_list\_of\_the\_scientific\_publications\_of\_the\_applicant\_in\_the\_reviewed\_scientific\_editions\_from\_the\_21\_11\_2023\_RUS.pdf”, the name of file “4\_1\_Vetrov\_AN\_The\_list\_of\_the\_scientific\_publications\_of\_the\_applicant\_in\_the\_reviewed\_scientific\_editions\_from\_the\_21\_11\_2023\_ENG.pdf”, the name of file “4\_1\_Vetrov\_AN\_The\_list\_of\_the\_scientific\_publications\_of\_the\_applicant\_in\_the\_reviewed\_scientific\_editions\_from\_the\_21\_11\_2023\_RUS\_ENG.pdf” **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 21<sup>st</sup> of November 2023 y.].**
- 7.5. The materials of 14 scientific articles, published in the scientific journals, recommended by “HAC of RF” **[the el. copies of the specified documents were prepared by the applicant of sci. degree Vetrov A.N. directly by the request of employees of “DSADC” of “SPbSU” on the 12<sup>th</sup> of March 2020 y.], [the el. copies of the specified documents were submitted to “DSADC” of “SPbSU” on the 12<sup>th</sup> of March 2020 y.],**
- the author’s original-models of 14 scientific articles of Vetrov A.N., submitted to the scientific journals;
  - 14 original-models of published scientific journals from the official cites of publishing-houses;
  - the reviews of candidates and doctors of technical and economic sciences on 14 scientific articles.

8. The dissertation (in the form of manuscript) on the rights of manuscript on the competition of scientific degree of the doctor of technical sciences on the specialty 05.13.01 – “The system analysis, control and information processing” on the paper carrier and in the electronic view (on the electronic carrier).
- 8.1.1. The dissertation (in the form of manuscript) on the rights of manuscript in the national Russian language (The Russian Federation) on the theme “ T h e c o g n i t i v e m o d e l i n g t e c h n o l o g y for the system analysis of the information-educational environments” (the initial theme “The environment of automated training with the properties of adaptation based on the cognitive models” – the research and processing of data) on the competition of scientific degree of the doctor of technical sciences on the specialty 05.13.01 – “The system analysis, control and information processing” – 2 volumes, 399 p.: vol. 1, 176 p., 2006 y., vol. 2, 223 p., 2006 y. (in the format “PDF”) (in the national Russian language), the name of file “0\_7\_Vetrov\_AN\_The\_dissertation\_2006\_2007\_EAT\_with\_PA\_based\_on\_CM\_from\_the\_28\_12\_2007\_RUS.pdf” (2006 r., 2007 r.) **[the original copy of the specified document was deposited in “The Russian author’s society” (RF, Moscow city) on the 28<sup>th</sup> of December 2007 y.]**
- 8.1.2. The dissertation (in the form of manuscript) on the rights of manuscript **[the first book (vol. 1), the second book (vol. 2) and the third book (vol. 3), RUS]** in the national Russian language (The Russian Federation) on the theme “ T h e c o g n i t i v e m o d e l i n g t e c h n o l o g y for the system analysis of the information-educational environments” (the initial theme “The environment of automated training with the properties of adaptation based on the cognitive models” – the research and processing of data) on the competition of scientific degree of the doctor of technical sciences on the specialty 05.13.01 – “The system analysis, control and information processing” (technical sciences) – 3 volumes, 910 p.: vol. 1, 240 p., 2006 y., vol. 2, 252 p., 2006 y. and vol. 3, 418 p., 2008 y., 2010 y. (in the format “PDF”) (in the national Russian language) **[there was expanded the bibliographic chapter by the scientific works of the applicant (author) Vetrov A.N.]**, the name of file “Vetrov\_AN\_The\_dissertation\_2006\_2007\_2023\_CMT\_for\_SA\_IEE\_from\_the\_13\_10\_2023\_PRN\_RUS.pdf” (vol. 1, 2006 y., 2007 y., 2023 y.) **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the “<sup>th</sup>” of November 2023 y.]**, the name of file “Vetrov\_AN\_The\_dissertation\_the\_appendix\_1\_2006\_2007\_2023\_CMT\_for\_SA\_IEE\_from\_the\_17\_10\_2023\_PRN\_RUS.pdf.pdf” (vol. 2, 2006 y., 2007 y., 2023 y.) **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the “<sup>th</sup>” of November 2023 y.]**, the name of file “Vetrov\_AN\_The\_dissertation\_the\_appendix\_2\_2008\_2010\_2023\_CMT\_for\_SA\_IEE\_from\_the\_27\_10\_2023\_PRN\_RUS.pdf” (vol. 3, 2008 y., 2010 y., 2023 y.) **[the el. copy of the specified doc. was submitted to “DSADC” of “SPbSU” on the “<sup>th</sup>” of November 2023 y.]**, **[the control copy of the specified doc. was printed in “The publishing-house” of “SPbSU” on the “<sup>th</sup>” of November 2023 y.]**, **[the control copy of the specified doc. was submitted by Vetrov A.N. to “DSADC” of “SPbSU” on the “<sup>th</sup>” of November 2023 y.]**, **[the control copy was approved by the head of “DSADC” of “SPbSU” Alekseyeva I.V. on the “<sup>th</sup>” of November 2023 y.]**, **[the circulation 20 copies was signed in printing in “The publ-house” of “SPbSU” on the “<sup>th</sup>” of November 2023 y. (the order. №143)]**, **[the circulation 20 copies was paid by Vetrov A.N. in “The accounting dep.” of “The publ-house” of “SPbSU” on the “<sup>th</sup>” of November 2023 y.]**, **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the “<sup>th</sup>” of November 2023 y.]**, **[the circulation 20 copies was printed in “The printing-house” of “SPbSU” on the “<sup>th</sup>” of November 2023 y. (the order. №143)]**, **[the signed original of the specified doc. was submitted to “DSADC” of “SPbSU” on the “<sup>th</sup>” of November 2023 y.]**



8.1.3. The dissertation (in the form of manuscript) on the rights of manuscript **[the first book (vol. 1), the second book (vol. 2) and the third book (vol. 3), ENG]** in the international English language (The United Kingdom of Great Britain and Northern Ireland) on the theme “The cognitive modeling technology for the system analysis of the information-educational environments” (the initial theme “The environment of automated training with the properties of adaptation based on the cognitive models” – the research and processing of data) («Технология когнитивного моделирования для системного анализа информационно-образовательных сред» (исходная тема «Среда автоматизированного обучения со свойствами адаптации на основе когнитивных моделей» – исследование и обработка данных)) on the competition of scientific degree of the doctor of technical sciences on the specialty 05.13.01 – “The system analysis, control and information processing” («Системный анализ, управление и обработка информации») (technical sciences (technical sciences)) – 3 volumes, 910 p.: vol. 1, 240 p., 2006 y., vol. 2, 252 p., 2006 y. and vol. 3, 418 p., 2008 y., 2010 y. (in the format “PDF”) (in the international English language) **[there was expanded the bibliographic chapter by the scientific works of the applicant (author) Vetrov A.N.]**, the name of file “Vetrov\_AN\_The\_dissertation\_2006\_2007\_2023\_CMT\_for\_SA\_IEE\_from\_the\_13\_10\_2023\_PRN\_ENG.pdf” (vol. 1, 2006 y., 2007 y., 2023 y.) **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the “<sup>th</sup>” of November 2023 y.]**, the name of file “Vetrov\_AN\_The\_dissertation\_the\_appendix\_1\_2006\_2007\_2023\_CMT\_for\_SA\_IEE\_from\_the\_17\_10\_2023\_PRN\_ENG.pdf.pdf” (vol. 2, 2006 y., 2007 y., 2023 y.) **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the “<sup>th</sup>” of November 2023 y.]**, the name of file “Vetrov\_AN\_The\_dissertation\_the\_appendix\_2\_2008\_2010\_2023\_CMT\_for\_SA\_IEE\_from\_the\_27\_10\_2023\_PRN\_ENG.pdf” (vol. 3, 2008 y., 2010 y., 2023 y.) **[the el. copy of the specified doc. was submitted to “DSADC” of “SPbSU” on the “<sup>th</sup>” of November 2023 y.]**, **[the control copy of the specified doc. was printed in “The publishing-house” of “SPbSU” on the “<sup>th</sup>” of November 2023 y.]**, **[the control copy of the specified doc. was submitted by Vetrov A.N. to “DSADC” of “SPbSU” on the “<sup>th</sup>” of November 2023 y.]**, **[the control copy was approved by the head of “DSADC” of “SPbSU” Alekseyeva I.V. on the “<sup>th</sup>” of November 2023 y.]**, **[the circulation 20 copies was signed in printing in “The publ.-house” of “SPbSU” on the “<sup>th</sup>” of November 2023 y. (the order №144)]**, **[the circulation 20 copies was paid by Vetrov A.N. in “The accounting dep.” of “The publ.-house” of “SPbSU” on the “<sup>th</sup>” of November 2023 y.]**, **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the “<sup>th</sup>” of November 2023 y.]**, **[the circulation 20 copies was printed in “The printing-house” of “SPbSU” on the “<sup>th</sup>” of November 2023 y. (the order №144)]**, **[the signed original of the specified doc. was submitted to “DSADC” of “SPbSU” on the “<sup>th</sup>” of November 2023 y.]**

- 8.2.1. The plan of dissertation (in the form of manuscript) on the rights of manuscript in the national Russian language (The Russian Federation) on the theme “ T h e c o g n i t i v e m o d e l i n g t e c h n o l o g y for the system analysis of the information-educational environments” (the initial theme “The environment of automated training with the properties of adaptation based on the cognitive models” – the research and processing of data) on the competition of scientific degree of the doctor of technical sciences on the specialty 05.13.01 – “ T h e s y s t e m a n a l y s i s , c o n t r o l a n d i n f o r m a t i o n p r o c e s s i n g ” ( o n a p p l i e d m a t h e m a t i c s a n d c o n t r o l p r o c e s s e s ) – [the adaptive systems of automatic control with the determined entrance influences and the reference cognitive models of the subject of training and the means of training, t h e r e c o n s t r u c t e d m o d e l s o f t h e c o g n i t i v e p r o c e s s e s ] – 05 sh., 05 p. (in the format “PDF”) (in the national Russian language), (\*) copy of the specified plan of dissertation was registered in the registry book №78/182-n/78-2023-3-1261, certified by the notary of the not. district Saint-Petersburg city Odnoral O.E. on the 14<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 05 sh., 05 p. (in the format “PDF”) (in the national Russian language), (\*) the name of file “Vetrov\_AN\_The\_plan\_of\_dissertation\_2006\_2007\_CMT\_for\_SA\_IEE\_from\_the\_28\_12\_2007\_RUS.pdf” (2006 y., 2007 y.) **[for the attachment without changes].** (\*) the name of file “Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_RAS\_Moscow\_RF\_on\_the\_sci\_mon\_EAT\_with\_PA\_based\_on\_CM\_N13118\_28\_12\_2007\_Odnoral\_OE\_14\_11\_2023\_CONT\_RUS.pdf” (2006 y., 2007 y.) **[for the attachment without changes].** **[the original copy of the specified document was deposited in “The Russian author’s society” (RF, Moscow city) on the 28<sup>th</sup> of December 2007 y.]**
- 8.2.2. The plan of dissertation (in the form of manuscript) on the rights of manuscript **[the first book (vol. 1), the second book (vol. 2) and the third book (vol. 3), RUS]** in the national Russian language (The Russian Federation) on the theme “ T h e c o g n i t i v e m o d e l i n g t e c h n o l o g y for the system analysis of the information-educational environments” (the initial theme “The environment of automated training with the properties of adaptation based on the cognitive models” – the research and processing of data) on the competition of scientific degree of the doctor of technical sciences on the specialty 05.13.01 – “The system analysis, control and information processing” (technical sciences) [the adaptive systems of automatic control with the determined entrance influences and the reference cognitive models of the subject of training and the means of training, t h e r e c o n s t r u c t e d m o d e l s o f t h e c o g n i t i v e p r o c e s s e s ] – 05 sh., 05 p. (in the format “PDF”) (in the national Russian language), the name of file “Vetrov\_AN\_The\_plan\_of\_dissertation\_2006\_2007\_2023\_CMT\_for\_SA\_IEE\_from\_the\_13\_10\_2023\_PRN\_RUS.pdf” (vol. 1, 2006 y., 2007 y., 2023 y.) **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the “<sup>th</sup>” of November 2023 y.]** the name of file “Vetrov\_AN\_The\_plan\_of\_dissertation\_the\_appendix\_1\_2006\_2007\_2023\_CMT\_for\_SA\_IEE\_from\_the\_17\_10\_2023\_PRN\_RUS.pdf.pdf” (vol. 2, 2006 y., 2007 y., 2023 y.) **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the “<sup>th</sup>” of November 2023 y.]** the name of file “Vetrov\_AN\_The\_plan\_of\_dissertation\_the\_appendix\_2\_2008\_2010\_2023\_CMT\_for\_SA\_IEE\_from\_the\_27\_10\_2023\_PRN\_RUS.pdf” (vol. 3, 2008 y., 2010 y., 2023 y.) **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the “<sup>th</sup>” of November 2023 y.]**

8.2.3. The plan of dissertation (in the form of manuscript) on the rights of manuscript **[the first book (vol. 1), the second book (vol. 2) and the third book (vol. 3), ENG]** in the international English language (The United Kingdom of Great Britain and Northern Ireland) on the theme “The cognitive modeling technology for the system analysis of the information-educational environments” (the initial theme “The environment of automated training with the properties of adaptation based on the cognitive models” – the research and processing of data) ( « Т е х н о л о г и я к о г н и т и в н о г о м о д е л и р о в а н и я д л я с и с т е м н о г о а н а л и з а и н ф о р м а ц и о н н о - о б р а з о в а т е л ь н ы х с р е д » (исходная тема «Среда автоматизированного обучения со свойствами адаптации на основе когнитивных моделей» – исследование и обработка данных)) on the competition of scientific degree of the candidate of technical sciences on the specialty 05.13.01 – “The system analysis, control and information processing” ( « С и с т е м н ы й а н а л и з , у п р а в л е н и е и о б р а б о т к а и н ф о р м а ц и и » ) ( t e c h n i c a l s c i e n c e s ( т е х н и ч е с к и е н а у к и ) ) [the adaptive systems of automatic control with the determined entrance influences and the reference cognitive models of the subject of training and the means of training, t h e r e c o n s t r u c t e d m o d e l s o f t h e c o g n i t i v e p r o c e s s e s (адаптивные системы автоматического управления с детерминированными входными воздействиями и эталонными когнитивными моделями субъекта обучения и средства обучения, р е к о н с т р у и р у е м ы е м о д е л и к о г н и т и в н ы х п р о ц е с с о в ) ] – 05 sh., 05 p. (in the format “PDF”) (in the international English language), the name of file “Vetrov\_AN\_The\_plan\_of\_dissertation\_2006\_2007\_2023\_CMT\_for\_SA\_IEE\_from\_the\_13\_10\_2023\_PRN\_ENG.pdf” (vol. 1, 2006 y., 2007 y., 2023 y.) **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the “ 13<sup>th</sup> of November 2023 y.]**, the name of file “Vetrov\_AN\_The\_plan\_of\_dissertation\_the\_appendix\_1\_2006\_2007\_2023\_CMT\_for\_SA\_IEE\_from\_the\_17\_10\_2023\_PRN\_ENG.pdf.pdf” (vol. 2, 2006 y., 2007 y., 2023 y.) **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the “ 17<sup>th</sup> of November 2023 y.]**, the name of file “Vetrov\_AN\_The\_plan\_of\_dissertation\_the\_appendix\_2\_2008\_2010\_2023\_CMT\_for\_SA\_IEE\_from\_the\_27\_10\_2023\_PRN\_ENG.pdf” (vol. 3, 2008 y., 2010 y., 2023 y.) **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the “ 27<sup>th</sup> of November 2023 y.]**

- 8.3.1. The autoabstract of dissertation (in the form of manuscript) on the rights of manuscript **[the first book (vol. 1), the second book (vol. 2) and the third book (vol. 3), RUS]** in the national Russian language (The Russian Federation) on the theme “ T h e c o g n i t i v e m o d e l i n g t e c h n o l o g y for the system analysis of the information-educational environments” (the initial theme “The environment of automated training with the properties of adaptation based on the cognitive models” – the research and processing of data) on the competition of scientific degree of the candidate of technical sciences on the specialty 05.13.01 – “The system analysis, control and information processing” (technical sciences) – 27 sh., 27 p. (with final-list) (in the format “PDF”) (in the national Russian language), the name of file “Vetrov\_AN\_2006\_2007\_2010\_CMT\_for\_SA\_IEE\_AVT\_from\_the\_31\_10\_2023\_RUS.pdf” (2006 y., 2007 y., 2010 y.) **[for the expertise (primary) without changes].** **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the “ 4<sup>th</sup> of November 2023 y.]**
- 8.3.2. The autoabstract of dissertation (in the form of manuscript) on the rights of manuscript **[the first book (vol. 1), the second book (vol. 2) and the third book (vol. 3), ENG]** i n t h e i n t e r n a t i o n a l E n g l i s h l a n g u a g e (The United kingdom of Great Britain and Northern Ireland) on the theme “ T h e c o g n i t i v e m o d e l i n g t e c h n o l o g y for the system analysis of the information-educational environments” (the initial theme “The environment of automated training with the properties of adaptation based on the cognitive models” – the research and processing of data) ( « Т е х н о л о г и я к о г н и т и в н о г о м о д е л и р о в а н и я для системного анализа информационно-образовательных сред» (исходная тема «Среда автоматизированного обучения со свойствами адаптации на основе когнитивных моделей» – исследование и обработка данных)) on the competition of scientific degree of the candidate of technical sciences on the specialty 05.13.01 – “ T h e s y s t e m a n a l y s i s , c o n t r o l a n d i n f o r m a t i o n p r o c e s s i n g ” (« Системный анализ, управление и обработка информации») ( t e c h n i c a l s c i e n c e s ( т е х н и ч е с к и е н а у к и ) ) – 27 sh., 27 p. (with final-list) (in the format “PDF”) (in the international English language), the name of file “Vetrov\_AN\_2006\_2007\_2010\_CMT\_for\_SA\_IEE\_AVT\_from\_the\_31\_10\_2023\_ENG.pdf” (2006 y., 2007 y., 2010 y.) **[for the expertise (primary) without changes].** **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the “ 4<sup>th</sup> of November 2023 y.]**

8.4.1. The posters (slides) of scientific report of the applicant on the (preliminary) defence of dissertation (in the form of manuscript) on the rights of manuscript **[the distributing (handout) material in the first folder of red color]** in the national Russian language (The Russian Federation) on the theme “ T h e c o g n i t i v e m o d e l i n g t e c h n o l o g y for the system analysis of the information-educational environments” (the initial theme “The environment of automated training with the properties of adaptation based on the cognitive models” – the research and processing of data) on the competition of scientific degree of the doctor of technical sciences on the specialty 05.13.01 – “The system analysis, control and information processing” (technical sciences) – 123 (139) p. (in the format “PDF”) (in the national Russian language), the name of file “Vetrov\_AN\_The\_pre\_defence\_of\_dissertation\_2006\_2007\_2008\_2010\_2023\_CMT\_for\_SA\_IEE\_SCH\_from\_the\_29\_10\_2023\_RUS.pdf” (2006 y., 2007 y., 2008 y., 2010 y., 2023 y.) **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the “ 4” of November 2023 y.]**

8.4.2. The posters (slides) of scientific report of the applicant on the (preliminary) defence of dissertation (in the form of manuscript) on the rights of manuscript **[the distributing (handout) material in the second folder of blue color]** i n t h e i n t e r n a t i o n a l E n g l i s h l a n g u a g e (The United kingdom of Great Britain and Northern Ireland) on the theme “ T h e c o g n i t i v e m o d e l i n g t e c h n o l o g y for the system analysis of the information-educational environments” (the initial theme “The environment of automated training with the properties of adaptation based on the cognitive models” – the research and processing of data) ( « Т е х н о л о г и я к о г н и т и в н о г о м о д е л и р о в а н и я для системного анализа информационно-образовательных сред» (исходная тема «Среда автоматизированного обучения со свойствами адаптации на основе когнитивных моделей» – исследование и обработка данных)) on the competition of scientific degree of the doctor of technical sciences on the specialty 05.13.01 – “The system analysis, control and information processing” («Системный анализ, управление и обработка информации») ( t e c h n i c a l s c i e n c e s ( т е х н и ч е с к и е н а у к и ) ) – 123 (139) p. (in the format “PDF”) (in the international English language), the name of file “Vetrov\_AN\_The\_pre\_defence\_of\_dissertation\_2006\_2007\_2008\_2010\_2023\_CMT\_for\_SA\_IEE\_SCH\_from\_the\_29\_10\_2023\_ENG.pdf” (2006 г., 2007 г., 2008 г., 2010 г., 2023 г.) **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the “ 4” of November 2023 y.]**

9. The acts about practical use (introduction into the training process) of the scientific results of dissertation (in the form of manuscript) on the rights of manuscript [according to the item 2.3 of “The order of preparation of the conclusion on the dissertation, carried out in “SPbSU”, and issuance it to the applicant”, approved by The order of “SPbSU” from the 14.01.2020 y. № 88/1 “About the approval of the order of preparation of the conclusion on the dissertation, carried out in “SPbSU”, and issuance it to the applicant”].

9.1. Copy of the act about practical use (introduction into the training process) of “SPbSETU “LETI”” from the 10<sup>th</sup> of January 2006 y., approved by the vice-rector in scientific work of “SPbSETU “LETI””, d.p.h.-m.s., prof. Afanasyev V.P., signed by the chairman of commission – the deputy of the head of the chair “ACP” of “SPbSETU “LETI””, c.t.s., associate prof. Alekseyev A.A., the members of commission: c.t.s., associate prof. of the chair “ACP” of “SPbSETU “LETI”” Grigoryan V.G. and c.t.s., associate prof. of the chair “ASIPC” of “SPbSETU “LETI”” Savosin S.V. – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), copy of the specified act about practical use (introduction) was registered in the registry book № 78/182-N/78-2019-2-131, certified by the notary of the not. district Saint-Petersburg city Odnoral O.E. on the 05<sup>th</sup> of February 2019 y. (RF, Saint-Petersburg city) – 01 sh., 02 p. (in the format “PDF”) (in the national Russian language), (\*) copy of the specified act about practical use (introduction) was registered in the registry book № 78/182-n/78-2023-3-1228, certified by the notary of the not. district Saint-Petersburg city Odnoral O.E. on the 14<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 01 sh., 02 p. (in the format “PDF”) (in the national Russian language), the certification is confirmed **[by demand]** by the head of “The personnel department” of “SPbSETU “LETI”” Shubinsky V.N. on the 01<sup>st</sup> of September 2007 y., the 01<sup>st</sup> of September 2008 y., the 29<sup>th</sup> of June 2009 y., the 26<sup>th</sup> of January 2010 y., the 01<sup>st</sup> of February 2010 y., the 19<sup>th</sup> of February 2010 y. and the 03<sup>rd</sup> of August 2010 y. – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), the name of file “3\_2\_Vetrov\_AN\_The\_act\_about\_practical\_use\_introduction\_in\_training\_process\_of\_SPbSETU\_LETI\_from\_the\_10th\_of\_January\_2006\_y\_orig\_RUS.pdf”, the name of file “3\_2\_Vetrov\_AN\_Copy\_of\_the\_act\_about\_practical\_use\_introduction\_in\_training\_process\_of\_SPbSETU\_LETI\_from\_the\_10th\_of\_January\_2006\_y\_Odnoral\_OE\_05\_02\_2019\_RUS.pdf”, (\*) the name of file “Vetrov\_AN\_Copy\_of\_the\_act\_about\_practical\_use\_introduction\_in\_training\_process\_of\_SPbSETU\_LETI\_from\_the\_10th\_of\_January\_2006\_y\_Odnoral\_OE\_14\_11\_2023\_RUS.pdf” **[copy of the specified document was submitted on the 26.12.2017 y. and 01.04.2019 y.], [the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.]**

9.2. C o p y o f t h e a c t a b o u t p r a c t i c a l u s e (introduction into the training process) of “IBI” from the 31<sup>st</sup> of January 2006 y., approved by the rector of “IBI”, c.e.s., prof. Derevyanko Yu.D., signed by the chairman of commission – the first vice-rector – the vice-rector in training work of “IBI”, c.t.s., associate prof. Zakharov I.N., the members of commission: the vice-rector in scientific work of “IBI”, a c a d . o f “ I H E A S ” , d . t . s . , p r o f . I z r a n t s e v V . V . , the head of the chair “B” of “IBI”, d.e.s., prof. Beloglazova G.N., the head of the chair “Finance” of “IBI”, d.e.s., prof. Pogostinskaya N.N., the head of the chair “Accounting, analysis and statistics” of “IBI”, c.e.s., prof. Burgonova G.N., the head of training groups of the 18<sup>th</sup> set of the spec. “Finance and credit” of “IBI” Yakhin N.I. and the head of training groups of the 18<sup>th</sup> set of the spec. “Anti-crisis management” of “IBI” Plekhanov D.V. – 02 sh., 02 p. (in the format “PDF”) (in the national Russian language), copy of the specified act about practical use (introduction) was registered in the registry book № 78/182-N/78-2019-2-132, certified by the notary of the not. district Saint-Petersburg city Odnoral O.E. on the 05<sup>th</sup> of February 2019 y. (RF, Saint-Petersburg city) – 02 sh., 03 p. (in the format “PDF”) (in the national Russian language), (\*) copy of the specified act about practical use (introduction) was registered in the registry book № 78/182-n/78-2023-3-1310, certified by the notary of the not. district Saint-Petersburg city Odnoral O.E. on the 14<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 02 sh., 03 p. (in the format “PDF”) (in the national Russian language), the certification is confirmed **[by demand]** by the head of “The personnel department” o f “ S P b S E T U " L E T I " ” S h u b i n s k y V . N . on the 01<sup>st</sup> of September 2006 y., the 01<sup>st</sup> of September 2007 y., the 01<sup>st</sup> of September 2008 y., the 29<sup>th</sup> of June 2009 y., the 26<sup>th</sup> of January 2010 y., the 01<sup>st</sup> of February 2010 y., the 19<sup>th</sup> of February 2010 y. and the 03<sup>rd</sup> of August 2010 y. – 02 sh., 02 p. (in the format “PDF”) (in the national Russian language), the name of file “3\_2\_Vetrov\_AN\_The\_act\_about\_practical\_use\_introduction\_in\_training\_process\_of\_IBI\_N1\_28\_from\_the\_31st\_of\_January\_2006\_y\_orig\_RUS.pdf”, the name of file “3\_2\_Vetrov\_AN\_Copy\_of\_the\_act\_about\_practical\_use\_introduction\_in\_training\_process\_of\_IBI\_N1\_28\_from\_the\_31st\_of\_January\_2006\_y\_Odnoral\_OE\_05\_02\_2019\_RUS.pdf”, (\*) the name of file “Vetrov\_AN\_Copy\_of\_the\_act\_about\_practical\_use\_introduction\_in\_training\_process\_of\_IBI\_N1\_28\_from\_the\_31st\_of\_January\_2006\_y\_Lysenko\_IS\_13\_11\_2023\_RUS.pdf”, (\*) the name of file “Vetrov\_AN\_Copy\_of\_the\_act\_about\_practical\_use\_introduction\_in\_training\_process\_of\_IBI\_N1\_28\_from\_the\_31st\_of\_January\_2006\_y\_Odnoral\_OE\_14\_11\_2023\_RUS.pdf”

**[copy of the specified document was submitted on the 26.12.2017 y. and 01.04.2019 y.],**  
**[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.].**

10. The copyright certificates of “The Russian author’s society” (“RAS”) (RF, Moscow city) and the certificates of “The All-Russian institute of scientific and technical information of “The Russian academy of sciences” (“VINITI” of “RAS””) (RF, Moscow city) on the scientific results of dissertation (in the form of manuscript) on the rights of manuscript.
- 10.1.1. Copy of the copyright certificate of “RAS” (RF, Moscow city) about the deposition and registration of the work – the object of intellectual property – the manuscript of personal (Vetrov A.N.) dissertation [the dissertation on the rights of manuscript on the competition of scientific degree of the doctor of technical sciences] on the theme “The environment of automated training with the properties of adaptation based on the cognitive models” [the new name “The cognitive modeling technology for the system analysis of the information-educational environments”] №13118 from the 28<sup>th</sup> of December 2007 y. (2 volumes, 399 p.: vol. 1, 176 p., 2006 y., vol. 2, 223 p., 2006 y.), signed by the head “The department on registration and deposition of the objects of intellectual property and right-holders” Voronina T.N. – 03 sh., 03 p. (in the format “PDF”) (in the national Russian language), (\*) copy of the specified copyright certificate was registered in the registry book №78/248-n/78-2023-9-250, certified by the notary of the not. district Saint-Petersburg city Soldatenko L.G. on the 09<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 01 sh., 02 p. (in the format “PDF”) (in the national Russian language), (\*) copy of the specified copyright certificate was registered in the registry book №78/357-n/78-2023-25-50, certified by the notary of the not. district Saint-Petersburg city Oleneva E.N. on the 13<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 01 sh., 02 p. (in the format “PDF”) (in the national Russian language), (\*) copy of the specified copyright certificate was registered in the registry book №78/182-n/78-2023-3-1257, 1261, certified by the notary of the not. district Saint-Petersburg city Odnoral O.E. on the 14<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 01 sh., 02 p. (the title page and table of contents and the acts about practical use with the seal of “RAS” – 09 sh., 10 p.) (in the format “PDF”) (in the national Russian language), the certification is confirmed **[by demand]** by the head of “The personnel department” of “S P b S E T U ” L E T I ” ” S h u b i n s k y V . N . on the 01<sup>st</sup> of September 2008 y., the 05<sup>th</sup> of November 2008 y., the 29<sup>th</sup> of June 2009 y., the 26<sup>th</sup> of January 2010 y., the 01<sup>st</sup> of February 2010 y., the 19<sup>th</sup> of February 2010 y. and the 03<sup>rd</sup> of August 2010 y. – 03 sh., 03 p. (in the format “PDF”) (the national Russian language), the name of file “4\_2\_Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_RAS\_Moscow\_RF\_on\_the\_sci\_dissertation\_EAT\_with\_PA\_based\_on\_CM\_N13118\_28\_12\_2007\_orig\_RUS.pdf”, the name of file “4\_2\_Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_RAS\_Moscow\_RF\_on\_the\_sci\_dissertation\_EAT\_with\_PA\_based\_on\_CM\_N13118\_28\_12\_2007\_CONT\_orig\_RUS.pdf”, the name of file “4\_2\_Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_RAS\_Moscow\_RF\_on\_the\_sci\_dissertation\_EAT\_with\_PA\_based\_on\_CM\_N13118\_28\_12\_2007\_Shubinsky\_VN\_05\_11\_2008\_RUS.pdf”, (\*) the name of file “Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_RAS\_Moscow\_RF\_on\_the\_sci\_mon\_EAT\_with\_PA\_based\_on\_CM\_N13118\_28\_12\_2007\_Soldatenko\_LG\_09\_11\_2023\_RUS.pdf”, (\*) the name of file “Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_RAS\_Moscow\_RF\_on\_the\_sci\_mon\_EAT\_with\_PA\_based\_on\_CM\_N13118\_28\_12\_2007\_Oleneva\_EN\_13\_11\_2023\_RUS.pdf”, (\*) the name of file “Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_RAS\_Moscow\_RF\_on\_the\_sci\_mon\_EAT\_with\_PA\_based\_on\_CM\_N13118\_28\_12\_2007\_Odnoral\_OE\_14\_11\_2023\_RUS.pdf”, (\*) the name of file “Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_RAS\_Moscow\_RF\_on\_the\_sci\_mon\_EAT\_with\_PA\_based\_on\_CM\_N13118\_28\_12\_2007\_Odnoral\_OE\_14\_11\_2023\_CONT\_RUS.pdf” **[copy of the specified document was submitted on the 26.12.2017 y. and 01.04.2019 y.], [the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.]**



10.1.2. Copy of the copyright certificate of “RAS” (RF, Moscow city) about the deposition and registration of the work – the object of intellectual property – the manuscript of personal (Vetrov A.N.) scientific monography **[the dissertation (in the form of scientific monography) on the rights of manuscript on the competition of scientific degree of the candidate of technical sciences]** on the theme “The environment of automated training with the properties of adaptation based on the cognitive models” №13117 from the 28<sup>th</sup> of December 2007 y. (1 vol., 256 p.), signed by the head of “The department on registration and deposition of the objects of intellectual property and right-holders” Voronina T.N. – 03 sh., 03 p. (in the format “PDF”) (in the national Russian language), copy of the specified copyright certificate was registered in the registry book №78/182-N/78-2019-2-133, certified by the notary of the not. district Saint-Petersburg city Odnoral O.E. on the 05<sup>th</sup> of February 2019 y. (RF, Saint-Petersburg city) – 01 sh., 02 p. (in the format “PDF”) (in the national Russian language), (\*) copy of the specified copyright certificate was registered in the registry book №78/357-n/78-2023-25-46, certified by the notary of the not. district Saint-Petersburg city Oleneva E.N. on the 13<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 01 sh., 02 p. (in the format “PDF”) (in the national Russian language), (\*) copy of the specified copyright certificate was registered in the registry book №78/182-n/78-2023-3-1274, 1278, certified by the notary of the not. district Saint-Petersburg city Odnoral O.E. on the 14<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 01 sh., 02 p. (the title page and annotation with the seal of “RAS” – 02 sh., 03 p.) (in the format “PDF”) (in the national Russian language), the certification is confirmed **[by demand]** by the head of “The personnel department” of “S P b S E T U ” L E T I ” ” S h u b i n s k y V . N . on the 01<sup>st</sup> of September 2008 y., the 05<sup>th</sup> of November 2008 y., the 29<sup>th</sup> of June 2009 y., the 26<sup>th</sup> of January 2010 y., the 01<sup>st</sup> of February 2010 y., the 19<sup>th</sup> of February 2010 y. and the 03<sup>rd</sup> of August 2010 y. – 03 sh., 03 p. (in the format “PDF”) (in the national Russian language), the name of file “4\_2\_Vetrov\_AN\_The\_copyright\_certificate\_of\_RAS\_Moscow\_RF\_on\_the\_sci\_mon\_EAT\_with\_PA\_based\_on\_CM\_N13117\_28\_12\_2007\_orig\_RUS.pdf”, the name of file “4\_2\_Vetrov\_AN\_The\_copyright\_certificate\_of\_RAS\_Moscow\_RF\_on\_the\_sci\_mon\_EAT\_with\_PA\_based\_on\_CM\_N13117\_28\_12\_2007\_CONT\_orig\_RUS.pdf”, имя файла “4\_2\_Vetrov\_AN\_The\_copyright\_certificate\_of\_RAS\_Moscow\_RF\_on\_the\_sci\_mon\_EAT\_with\_PA\_based\_on\_CM\_N13117\_28\_12\_2007\_Shubinsky\_VN\_05\_11\_2008\_RUS.pdf”, (\*) the name of file “4\_2\_Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_RAS\_Moscow\_RF\_on\_the\_sci\_mon\_EAT\_with\_PA\_based\_on\_CM\_N13117\_28\_12\_2007\_Odnoral\_OE\_05\_02\_2019\_RUS.pdf”, (\*) the name of file “4\_2\_Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_RAS\_Moscow\_RF\_on\_the\_sci\_mon\_EAT\_with\_PA\_based\_on\_CM\_N13117\_28\_12\_2007\_Oleneva\_EN\_13\_11\_2023\_RUS.pdf”, (\*) the name of file “4\_2\_Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_RAS\_Moscow\_RF\_on\_the\_sci\_mon\_EAT\_with\_PA\_based\_on\_CM\_N13117\_28\_12\_2007\_Odnoral\_OE\_14\_11\_2023\_RUS.pdf”, (\*) the name of file “4\_2\_Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_RAS\_Moscow\_RF\_on\_the\_sci\_mon\_EAT\_with\_PA\_based\_on\_CM\_N13117\_28\_12\_2007\_Odnoral\_OE\_14\_11\_2023\_CONT\_RUS.pdf” **[copy of the specified document was submitted on the 26.12.2017 y. and 01.04.2019 y.]**, **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.]**

10.1.3. Copy of the copyright certificate of “RAS” (RF, Moscow city) about the deposition and registration of the work – the object of intellectual property – the manuscript of personal (Vetrov A.N.) scientific monography [the dissertation (in the form of scientific monography) on the rights of manuscript on the competition of scientific degree “Philosophy doctor (PhD)”, the scientific supervisor: “The Honored worker of science of RF”, awarded in 2011 y. by the medal of the order “For the services to The fatherland of the II<sup>nd</sup> degree”, “The honorary worker of the higher professional education of RF”, the full member of “The Russian academy of humanitarian sciences”, the head of the chair “Philosophy” of the faculty “Humanitarian” of “SPbSETU “LETI””, doctor of philosophical sciences, professor Kotenko Vitaly Pavlovich] on the theme “The features of evolution of the theory of information and information technologies on a threshold of the XXI<sup>st</sup> century” №13116 from the 28<sup>th</sup> of December 2007 y. (1 vol., 141 p.) [philosophical sciences – spec. 09.00.08 – “Philosophy of science and technics”) (spec. 01.02.01, 05.13.01, 05.13.10, 19.00.02 (19.00.03), 08.00.10)], signed by the head of “The department on registration and deposition of the objects of intellectual property and right-holders” Voronina T.N. – 03 sh., 03 p. (in the format “PDF”) (in the national Russian language), (\* copy of the specified copyright certificate was registered in the registry book №78/357-n/78-2023-25-58, certified by the notary of the not. district Saint-Petersburg city Oleneva E.N. on the 13<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 01 sh., 02 p. (in the format “PDF”) (in the national Russian language), (\* copy of the specified copyright certificate was registered in the registry book №78/182-n/78-2023-3-1282, 1286, certified by the notary of the not. district Saint-Petersburg city Odnoral O.E. on the 14<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 01 sh., 02 p. (the title page and annotation with the seal of “RAS” – 02 sh., 03 p.) (in the format “PDF”) (in the national Russian language), the certification is confirmed [by demand] by the head of “The personnel department” of “SPbSETU “LETI”” Shubinsky V.N. on the 01<sup>st</sup> of September 2008 y., the 05<sup>th</sup> of November 2008 y., the 29<sup>th</sup> of June 2009 y., the 26<sup>th</sup> of January 2010 y., the 01<sup>st</sup> of February 2010 y., the 19<sup>th</sup> of February 2010 y. and the 03<sup>rd</sup> of August 2010 y. – 03 sh., 03 p. (in the format “PDF”) (in the national Russian language), the name of file “4\_2\_Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_RAS\_Moscow\_RF\_on\_the\_sci\_mon\_FE\_of\_TI\_and\_IT\_on\_T\_of\_XXI\_S\_N13116\_28\_12\_2007\_orig\_RUS.pdf”, the name of file “4\_2\_Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_RAS\_Moscow\_RF\_on\_the\_sci\_mon\_FE\_of\_TI\_and\_IT\_on\_T\_of\_XXI\_S\_N13116\_28\_12\_2007\_CONT\_orig\_RUS.pdf”, the name of file “4\_2\_Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_RAS\_Moscow\_RF\_on\_the\_sci\_mon\_FE\_of\_TI\_and\_IT\_on\_T\_of\_XXI\_S\_N13116\_28\_12\_2007\_Shubinsky\_VN\_05\_11\_2008\_RUS.pdf”, the name of file “4\_2\_Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_RAS\_Moscow\_RF\_on\_the\_sci\_mon\_FE\_of\_TI\_and\_IT\_on\_T\_of\_XXI\_S\_N13116\_28\_12\_2007\_Oleneva\_EN\_13\_11\_2023\_RUS.pdf”, the name of file “4\_2\_Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_RAS\_Moscow\_RF\_on\_the\_sci\_mon\_FE\_of\_TI\_and\_IT\_on\_T\_of\_XXI\_S\_N13116\_28\_12\_2007\_Odnoral\_OE\_14\_11\_2023\_RUS.pdf”, the name of file “4\_2\_Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_RAS\_Moscow\_RF\_on\_the\_sci\_mon\_FE\_of\_TI\_and\_IT\_on\_T\_of\_XXI\_S\_N13116\_28\_12\_2007\_Odnoral\_OE\_14\_11\_2023\_CONT\_RUS.pdf” [copy of the specified document was submitted on the 26.12.2017 y. and 01.04.2019 y.], [the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.]

10.1.4. Copy of the copyright certificate of “RAS” (RF, Moscow city) about the registration and deposition of the work – the result of intellectual activity – the manuscript of personal (Vetrov A.N.) textbook on the theme “Informatics” №14622 from the 10<sup>th</sup> of December 2008 y. (1 vol., 331 p.), signed by the head of. “The department on registration and deposition of the results of intellectual activity” Voronina T.N. – 03 sh., 03 p. (in the format “PDF”) (in the national Russian language), (\*) copy of the specified copyright certificate was registered in the registry book №78/248-n/78-2023-9-264, certified by the notary of the not. district Saint-Petersburg city Soldatenko L.G. on the 09<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 01 sh., 02 p. (in the format “PDF”) (in the national Russian language), (\*) copy of the specified copyright certificate was registered in the registry book №78/357-n/78-2023-25-34, certified by the notary of the not. district Saint-Petersburg city Oleneva E.N. on the 13<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 01 sh., 02 p. (in the format “PDF”) (in the national Russian language), (\*) copy of the specified copyright certificate was registered in the registry book №78/182-n/78-2023-3-1265, 1270, certified by the notary of the not. district Saint-Petersburg city Odnoral O.E. on the 14<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 01 sh., 02 p. (the title page and annotation with the seal of “RAS” – 02 sh., 03 p.) (in the format “PDF”) (in the national Russian language), the certification is confirmed **[by demand]** by the head of “The personnel department” of “S P b S E T U " L E T I " ” S h u b i n s k y V . N . on the 01<sup>st</sup> of June 2009 y., the 29<sup>th</sup> of June 2009 y., the 26<sup>th</sup> of January 2010 y., the 01<sup>st</sup> of February 2010 y., the 19<sup>th</sup> of February 2010 y. and the 03<sup>rd</sup> of August 2010 y. – 03 sh., 03 page (in the format ‘PDF’) (in the national Russian language), the name of file “4\_2\_Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_RAS\_Moscow\_RF\_on\_the\_textbook\_Computer\_science\_N14622\_10\_12\_2008\_orig\_RUS.pdf”, the name of file “4\_2\_Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_RAS\_Moscow\_RF\_on\_the\_textbook\_Computer\_science\_N14622\_10\_12\_2008\_CONT\_orig\_RUS.pdf”, the name of file “4\_2\_Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_RAS\_Moscow\_RF\_on\_the\_textbook\_Computer\_science\_N14622\_10\_12\_2008\_Shubinsky\_VN\_01\_06\_2009\_RUS.pdf”, (\*) the name of file “4\_2\_Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_RAS\_Moscow\_RF\_on\_the\_textbook\_Computer\_science\_N14622\_10\_12\_2008\_Soldatenko\_LG\_09\_11\_2023\_RUS.pdf”, (\*) the name of file “4\_2\_Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_RAS\_Moscow\_RF\_on\_the\_textbook\_Computer\_science\_N14622\_10\_12\_2008\_Oleneva\_EN\_13\_11\_2023\_RUS.pdf”, (\*) the name of file “4\_2\_Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_RAS\_Moscow\_RF\_on\_the\_textbook\_Computer\_science\_N14622\_10\_12\_2008\_Odnoral\_OE\_14\_11\_2023\_RUS.pdf”, (\*) the name of file “4\_2\_Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_RAS\_Moscow\_RF\_on\_the\_textbook\_Computer\_science\_N14622\_10\_12\_2008\_Odnoral\_OE\_14\_11\_2023\_CONT\_RUS.pdf”

**[copy of the specified document was submitted on the 26.12.2017 y. and 01.04.2019 y.],**  
**[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.]**

10.2.1. Copy of the copyright certificate of “"VINITI" of "RAS"” (RF, Moscow city) about the deposition and registration of the work – the object of intellectual property – the manuscript of personal (Vetrov A.N.) scientific article “The cognitive modeling technology in the automated educational environment” №1-V2008 from the 09<sup>th</sup> of January 2008 y. (18 p.), signed by the director of “"VINITI" of "RAS"”, acad. of “RAS” Arsky Yu.M. – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), (\*) copy of the specified copyright certificate was registered in the registry book №78/248-n/78-2023-9-268, certified by the notary of the not. district Saint-Petersburg city Soldatenko L.G. on the 09<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 01 sh., 02 p. (in the format “PDF”) (in the national Russian language), (\*) copy of the specified copyright certificate was registered in the registry book №78/182-n/78-2023-3-1294, certified by the notary of the not. district Saint-Petersburg city Odnoral O.E. on the 14<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), the certification is confirmed **[by demand]** by the head of “The personnel department” of “SPbSETU "LETI"” Shubinsky V.N. on the 01<sup>st</sup> of September 2008 y., the 05<sup>th</sup> of November 2008 y., the 29<sup>th</sup> of June 2009 y., the 26<sup>th</sup> of January 2010 y., the 01<sup>st</sup> of February 2010 y., the 19<sup>th</sup> of February 2010 y. and the 03<sup>rd</sup> of August 2010 y. – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), the name of file “4\_3\_Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_VINITI\_of\_RAS\_about\_the\_dep\_of\_the\_sci\_article\_CMT\_in\_AEE\_N1\_V2008\_from\_the\_09\_01\_2008\_orig\_RUS.pdf”, the name of file “4\_3\_Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_VINITI\_of\_RAS\_about\_the\_dep\_of\_the\_sci\_article\_CMT\_in\_AEE\_N1\_V2008\_from\_the\_09\_01\_2008\_Shubinsky\_VN\_05\_11\_2008\_RUS.pdf”, (\*) the name of file “4\_3\_Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_VINITI\_of\_RAS\_about\_the\_dep\_of\_the\_sci\_article\_CMT\_in\_AEE\_N1\_V2008\_from\_the\_09\_01\_2008\_Soldatenko\_LG\_09\_11\_2023\_RUS.pdf”, (\*) the name of file “4\_3\_Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_VINITI\_of\_RAS\_about\_the\_dep\_of\_the\_sci\_article\_CMT\_in\_AEE\_N1\_V2008\_from\_the\_09\_01\_2008\_Odnoral\_OE\_14\_11\_2023\_RUS.pdf”

**[copy of the specified document was submitted on the 26.12.2017 y. and 01.04.2019 y.],**  
**[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.],**

10.2.2. Copy of the copyright certificate of “"VINITI" of "RAS"” (RF, Moscow city) about the deposition and registration of the work – the object of intellectual property – the manuscript of personal (Vetrov A.N.) scientific article on the theme “The features of realization of the information-educational environments of the automated training” №3-V2008 from the 09<sup>th</sup> of January 2008 y. (15 p.), signed by the director of “"VINITI" of "RAS"”, acad. of “RAS” Arsky Yu.M. – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), (\*) copy of the specified copyright certificate was registered in the registry book №78/248-n/78-2023-9-276, certified by the notary of the not. district Saint-Petersburg city Soldatenko L.G. on the 09<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 01 sh., 02 p. (in the format “PDF”) (in the national Russian language), (\*) copy of the specified copyright certificate was registered in the registry book №78/182-n/78-2023-3-1298, certified by the notary of the not. district Saint-Petersburg city Odnoral O.E. on the 14<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), the certification is confirmed **[by demand]** by the head of “The personnel department” of “ S P b S E T U " L E T I " ” S h u b i n s k y V . N . on the 01<sup>st</sup> of September 2008 y., the 05<sup>th</sup> of November 2008 y., the 29<sup>th</sup> of June 2009 y., the 26<sup>th</sup> of January 2010 y., the 01<sup>st</sup> of February 2010 y., the 19<sup>th</sup> of February 2010 y. and the 03<sup>rd</sup> of August 2010 y. – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), the name of file “4\_3\_Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_VINITI\_of\_RAS\_about\_the\_dep\_of\_the\_sci\_article\_FR\_IEE\_AT\_N3\_V2008\_from\_the\_09\_01\_2008\_orig\_RUS.pdf”, the name of file “4\_3\_Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_VINITI\_of\_RAS\_about\_the\_dep\_of\_the\_sci\_article\_FR\_IEE\_AT\_N3\_V2008\_from\_the\_09\_01\_2008\_Shubinsky\_VN\_05\_11\_2008\_RUS.pdf”, (\*) the name of file “4\_3\_Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_VINITI\_of\_RAS\_about\_the\_dep\_of\_the\_sci\_article\_FR\_IEE\_AT\_N3\_V2008\_from\_the\_09\_01\_2008\_Soldatenko\_LG\_09\_11\_2023\_RUS.pdf”, (\*) the name of file “4\_3\_Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_VINITI\_of\_RAS\_about\_the\_dep\_of\_the\_sci\_article\_FR\_IEE\_AT\_N3\_V2008\_from\_the\_09\_01\_2008\_Odnoral\_OE\_14\_11\_2023\_RUS.pdf”

**[copy of the specified document was submitted on the 26.12.2017 y. and 01.04.2019 y.],**  
**[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.]**

10.2.3. Copy of the copyright certificate of “"VINITI" of "RAS"” (RF, Moscow city) about the deposition and registration of the work – the object of intellectual property – the manuscript of personal (Vetrov A.N.) scientific article on the theme “The electronic textbook based on the adaptive representation of information fragments processor in the automated educational environment” №4-V2008 from the 09<sup>th</sup> of January 2008 y. (22 p.), signed by the director of “"VINITI" of "RAS"”, acad. of “RAS” Arsky Yu.M. – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), (\*) copy of the specified copyright certificate was registered in the registry book №78/248-n/78-2023-9-280, certified by the notary of the not. district Saint-Petersburg city Soldatenko L.G. on the 09<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 01 sh., 02 p. (in the format “PDF”) (in the national Russian language), (\*) copy of the specified copyright certificate was registered in the registry book №78/182-n/78-2023-3-1302, certified by the notary of the not. district Saint-Petersburg city Odnoral O.E. on the 14<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), the certification is confirmed **[by demand]** by the head of “The personnel department” of “ S P b S E T U " L E T I " ” S h u b i n s k y V . N . on the 01<sup>st</sup> of September 2008 y., the 05<sup>th</sup> of November 2008 y., the 29<sup>th</sup> of June 2009 y., the 26<sup>th</sup> of January 2010 y., the 01<sup>st</sup> of February 2010 y., the 19<sup>th</sup> of February 2010 y. and the 03<sup>rd</sup> of August 2010 y. – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), the name of file “4\_3\_Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_VINITI\_of\_RAS\_about\_the\_dep\_of\_the\_sci\_article\_ET\_based\_on\_AR\_of\_IFP\_in\_AEE\_N4\_V2008\_from\_the\_09\_01\_2008\_orig\_RUS.pdf”, the name of file “4\_3\_Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_VINITI\_of\_RAS\_about\_the\_dep\_of\_the\_sci\_article\_ET\_based\_on\_AR\_of\_IFP\_in\_AEE\_N4\_V2008\_from\_the\_09\_01\_2008\_Shubinsky\_VN\_05\_11\_2008\_RUS.pdf”, (\*) the name of file “4\_3\_Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_VINITI\_of\_RAS\_about\_the\_dep\_of\_the\_sci\_article\_ET\_based\_on\_AR\_of\_IFP\_in\_AEE\_N4\_V2008\_from\_the\_09\_01\_2008\_Soldatenko\_LG\_09\_11\_2023\_RUS.pdf”, (\*) the name of file “4\_3\_Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_VINITI\_of\_RAS\_about\_the\_dep\_of\_the\_sci\_article\_ET\_based\_on\_AR\_of\_IFP\_in\_AEE\_N4\_V2008\_from\_the\_09\_01\_2008\_Odnoral\_OE\_14\_11\_2023\_RUS.pdf”

**[copy of the specified document was submitted on the 26.12.2017 y. and 01.04.2019 y.],**  
**[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.].**

10.2.4. Copy of the copyright certificate of “"VINITI" of "RAS"” (RF, Moscow city) about the deposition and registration of the work – the object of intellectual property – the manuscript of personal (Vetrov A.N.) scientific article on the theme “The program complex for the tasks of research of the adaptive environment of the automated training based on the cognitive models” №427-V2009 from the 01<sup>st</sup> of July 2009 y. (19 p.), signed by the temporarily executing the duties of director of “"VINITI" of "RAS"” Chervinskaya N.V. – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), (\*) the name of file “4\_4\_Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_VINITI\_of\_RAS\_about\_the\_dep\_of\_the\_sci\_article\_PC\_for\_TR\_of\_AE\_of\_AT\_based\_on\_CM\_N427\_V2009\_from\_the\_01\_07\_2009\_orig\_RUS.pdf” **[copy of the specified document was submitted on the 15.12.2023 y.],** **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 15<sup>th</sup> of December 2023 y.].**

10.2.5. Copy of the copyright certificate of “"VINITI" of "RAS"” (RF, Moscow city) about the deposition and registration of the work – the object of intellectual property – the manuscript of personal (Vetrov A.N.) scientific article on the theme “The applied diagnostic module for the diagnostics of parameters of the cognitive model of the subject of training in the adaptive environment” №428-V2009 from the 01<sup>st</sup> of July 2009 y. (25 p.), signed by the temporarily executing the duties of director of “"VINITI" of "RAS"” Chervinskaya N.V. – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), (\*) the name of file “4\_5\_Vetrov\_AN\_Copy\_of\_the\_copyright\_certificate\_of\_VINITI\_of\_RAS\_about\_the\_dep\_of\_the\_sci\_article\_ADM\_for\_D\_of\_P\_of\_CM\_of\_ST\_in\_AE\_N428\_V2009\_from\_the\_01\_07\_2009\_orig\_RUS.pdf” **[copy of the specified document was submitted on the 15.12.2023 y.],** **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 15<sup>th</sup> of December 2023 y.].**

## **II. The additional accompanying documents (“\*” – the document is submitted for the first time)**

### **11. The reports on the individual initiative SRW (“SPbSETU "LETI"” and “IBI”).**

11.1. The report on the individual initiative SRW on the rights of manuscript on the theme “The research of the environment of automated training with the properties of adaptation based on the cognitive models” for 2003-2005 y., carried out in the process of writing of the dissertations of Vetrov A.N. (physical-mathematical, technical, humanitarian, social and medical sciences) – 451 sh., 451 p. (in the format “PDF”) (in the national Russian language), the name of file “Vetrov\_AN\_2003\_2005\_The\_res\_of\_the\_envir\_of\_aut\_train\_with\_the\_prop\_of\_adapt\_based\_on\_the\_cogn\_models\_RUS.pdf”  
**[copy of the specified document was submitted on the 26.12.2017 y. and 01.04.2019 y.],**  
**[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.].**

11.2. The appendix to the report on the individual initiative SRW on the rights of manuscript on the theme “The research of the environment of automated training with the properties of adaptation based on the cognitive models” for 2003-2005 y., carried out in the process of writing of the dissertations of Vetrov A.N. (physical-mathematical, technical, humanitarian, social and medical sciences) – 654 sh., 654 p. (in the format “PDF”) (in the national Russian language), the name of file “Vetrov\_AN\_2003\_2005\_The\_res\_of\_the\_envir\_of\_aut\_train\_with\_the\_prop\_of\_adapt\_based\_on\_the\_cogn\_models\_Appendix\_RUS.pdf”  
**[copy of the specified document was submitted on the 26.12.2017 y. and 01.04.2019 y.],**  
**[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.].**

11.3. The report on the individual initiative SRW on the rights of manuscript on the theme “The research of the information environment of automated training with the properties of adaptation based on the cognitive models and the financial analysis of the organization by means of the cognitive modeling technology” for 2006-2008 y., carried out in the process of writing of the dissertations of Vetrov A.N. (phys.-math., technical, economic, humanitarian, social and medical sciences) – 716 sh., 716 p. (in the format “PDF”) (in the national Russian language), the name of file “Vetrov\_AN\_2006\_2008\_The\_res\_of\_the\_inf\_envir\_of\_aut\_train\_with\_the\_prop\_of\_adapt\_based\_on\_CM\_and\_the\_fin\_anal\_RUS.pdf”  
**[copy of the specified document was submitted on the 26.12.2017 y. and 01.04.2019 y.],**  
**[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.].**



12. The individual training plan of work of the postgraduate student and the individual plans of the teacher.
- 12.1. Copy of the approved individual training plan of work of the postgraduate student (Vetrov A.N.) from the 01<sup>st</sup> of May 2003 y., certified by the deputy of the head of “The personnel department” of “SPbSETU "LETI"” Sarayev N.A. on the 03<sup>rd</sup> of July 2007 y., certified by the head of “The personnel department” of “SPbSETU "LETI"” Shubinsky V.N. on the 19<sup>th</sup> of February 2010 y. – 23 sh., 23 p. (in the format “PDF”) (in the national Russian language) **[see the pages 1, 2, 3, 12, 15, 16 – the positive result of attestation at the seminar-discussion of the dissertation work in the form of manuscript vol. 1, 176 p. and vol. 2, 220 p. on the 19<sup>th</sup> of June 2006 y.]; [see the dissertation (in the form of manuscript) on the rights of manuscript in the national Russian language (The Russian Federation) on the theme “The cognitive modeling technology for the system analysis of the information-educational environments” (the initial theme “The environment of automated training with the properties of adaptation based on the cognitive models” – the research and processing of data) on the competition of scientific degree of the doctor of technical sciences on the specialty 05.13.01 – “The system analysis, control and information processing” – 2 volumes, 399 sh., 399 p.: vol. 1, 176 sh., 176 p., 2006 y., vol. 2, 223 sh., 223 p., 2006 y.]**, the name of file “Vetrov\_AN\_Copy\_of\_the\_ind\_training\_plan\_of\_work\_of\_the\_post\_grad\_student\_of\_SPbSETU\_LETI\_from\_the\_01st\_of\_May\_2003\_y\_Sarayev\_NA\_03\_07\_2007\_Shubinsky\_VN\_05\_11\_2008\_RUS.pdf” **[copy of the specified document was submitted on the 26.12.2017 y. and 01.04.2019 y.]**, **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.]**.
- 12.2.1. Copy of the approved individual plan of the teacher (Vetrov A.N.) for 2004-2005 ac. y., certified by the head of “The personnel department” of “SPbSETU "LETI"” Shubinsky V.N. on the 12<sup>th</sup> of September 2008 y. – 09 sh., 09 p. (in the format “PDF”) (in the national Russian language) **[see the page 5 – “The preparation of the monography "The environment of automated training with the properties of adaptation based on the cognitive models"”, “April 2004 y.”, “completed”]; [see the dissertation (in the form of scientific monography) on the rights of manuscript in the national Russian language (The Russian Federation) on the theme “The environment of automated training with the properties of adaptation based on the cognitive models” on the competition of scientific degree of the candidate of technical sciences on the specialty 05.13.01 – “The system analysis, control and information processing” – 1 vol., 256 p., 2005 y.]**, the name of file “Vetrov\_AN\_Copy\_of\_the\_individual\_plan\_of\_the\_teacher\_for\_2004\_2005\_y\_Shubinsky\_VN\_12\_09\_2008\_RUSpdf” **[copy of the specified document was submitted on the 26.12.2017 y. and 01.04.2019 y.]**, **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.]**.
- 12.2.2. Copy of the approved individual plan of the teacher (Vetrov A.N.) for 2005-2006 ac. y., certified by the head of “The personnel department” of “SPbSETU "LETI"” Shubinsky V.N. on the 12<sup>th</sup> of May 2008 y. – 09 sh., 09 p. (in the format “PDF”) (in the national Russian language) **[see the page 5 – “The work under the monography "The environment of automated training with the properties of adaptation based on the cognitive models"”, “December 2005 y.”, “completed”]**, the name of file “Vetrov\_AN\_Copy\_of\_the\_individual\_plan\_of\_the\_teacher\_for\_2005\_2006\_y\_Shubinsky\_VN\_12\_05\_2008\_RUSpdf” **[copy of the specified document was submitted on the 26.12.2017 y. and 01.04.2019 y.]**, **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.]**.

- 12.2.3. Copy of the approved individual plan of the teacher (Vetrov A.N.) for 2006-2007 ac. y. **[there was completed the deposition in “RAS” (RF, Moscow city) and publication in the network “Internet” due to means of Vetrov A.N.]**, certified by the head of “The personnel department” of “SPbSETU “LETI”” Shubinsky V.N. on the 12<sup>th</sup> of September 2008 y. – 09 sh., 09 p. (in the format “PDF”) (in the national Russian language) **[see the page 5 – “The preparation of the monography “The environment of automated training with the properties of adaptation based on the cognitive models” to the deposition or publication”, “September 2006 y.”, “completed”]**, **[as the management of “SPbSETU “LETI”” was not sent the specified scientific monography to the paid (by Vetrov A.N.) deposition in “VINITI” of “RAS” on the 14<sup>th</sup> of December 2007 y., therefore the specified scientific monography was dep. in “RAS” (RF, Moscow city) due to means of Vetrov A.N.]**, the name of file “Vetrov\_AN\_Copy\_of\_the\_individual\_plan\_of\_the\_teacher\_for\_2006\_2007\_y\_Shubinsky\_VN\_12\_09\_2008\_RUSpdf” **[copy of the specified document was submitted on the 26.12.2017 y. and 01.04.2019 y.]**, **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.]**
- 12.2.4. Copy of the approved individual plan of the teacher (Vetrov A.N.) for 2007-2008 ac. y., certified by the head of “The personnel department” of “SPbSETU “LETI”” Shubinsky V.N. on the 16<sup>th</sup> of April 2009 y. – 09 sh., 09 p. (in the format “PDF”) (in the national Russian language) **[see the page 7 – “The author's certificate about the deposition and registration of the object of intellectual property – the manuscript of the dissertation “The environment of automated training with the properties of adaptation based on the cognitive models” on spec. 05.13.01 and 19.00.03, 24.94 pr. sh., Saint-Petersburg city, 2006 y., Moscow city: “The Russian author's society”, 2007 y.”]**, **[as the management of “SPbSETU “LETI”” did not send the specified manuscript of dissertation to the paid (by Vetrov A.N.) dep. in “VINITI” of “RAS” on the 14<sup>th</sup> of December 2007 y., so the specified manuscript of dissertation was dep. in “RAS” (RF, Moscow city) due to means of Vetrov A.N.]**, the name of file “Vetrov\_AN\_Copy\_of\_the\_individual\_plan\_of\_the\_teacher\_for\_2007\_2008\_y\_Sarayev\_NA\_16\_04\_2009\_RUSpdf” **[copy of the specified document was submitted on the 26.12.2017 y. and 01.04.2019 y.]**, **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.]**
- 12.2.5. Copy of the approved individual plan of the teacher (Vetrov A.N.) for 2008-2009 ac. y., certified by the head of “The personnel department” of “SPbSETU “LETI”” Shubinsky V.N. on the 23<sup>rd</sup> of October 2009 y., certified by the head of “The personnel department” of “SPbSETU “LETI”” Shubinsky V.N. on the 30<sup>th</sup> of September 2009 y. – 09 sh., 09 p. (in the format “PDF”) (in the national Russian language), the name of file “Vetrov\_AN\_Copy\_of\_the\_individual\_plan\_of\_the\_teacher\_for\_2008\_2009\_y\_Shubinsky\_VN\_23\_10\_2009\_RUSpdf”, the name of file “Vetrov\_AN\_Copy\_of\_the\_individual\_plan\_of\_the\_teacher\_for\_2008\_2009\_y\_Shubinsky\_VN\_30\_09\_2009\_RUSpdf” **[copy of the specified document was submitted on the 26.12.2017 y. and 01.04.2019 y.]**, **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.]**
- 12.2.6. Copy of the approved individual plan of the teacher (Vetrov A.N.) for 2009-2010 ac. y., certified by the head of “The personnel department” of “SPbSETU “LETI”” Shubinsky V.N. on the 26<sup>th</sup> of January 2010 y. – 09 sh., 09 p. (in the format “PDF”) (in the national Russian language), the name of file “Vetrov\_AN\_Copy\_of\_the\_individual\_plan\_of\_the\_teacher\_for\_2009\_2010\_y\_Shubinsky\_VN\_26\_01\_2010\_RUSpdf” **[copy of the specified document was submitted on the 26.12.2017 y. and 01.04.2019 y.]**, **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.]**

13. The letters of thanks on the dissertation (in the form of scientific monography) on the rights of manuscript on the competition of scientific degree of the candidate of technical sciences on the specialty 05.13.01 – “The system analysis, control and information processing” (1 vol., 256 p., 2005 y.), on the dissertation (in the form of manuscript) on the rights of manuscript on the competition of scientific degree of the doctor of technical sciences on the specialty 05.13.01 – “The system analysis, control and information processing” (vol. 1, 176 p., 2006 y., vol. 2, 220 p., 2006 y., vol. 3, 437 p., 2008 y., 2010 y.), the awards and scientific ranks of “The Russian academy of natural science” (“RANS”) of Vetrov A.N.
- 13.1.1. Copy of the letter of thanks of “RANS” (RF, Moscow city) for the participation of the scientific monography on the rights of manuscript [on the competition of scientific degree of the candidate of technical sciences] on the theme “The environment of automated training with the properties of adaptation based on the cognitive models” in “The 38<sup>th</sup> international Paris book salon of 2018 y.” (“Salon du livre de Paris 2018”) (The republic of France, Paris city, on the 16<sup>th</sup>-19<sup>th</sup> of March 2018 y.), signed by the chief scientific secretary of “RANS”, c.m.s., prof. Stukova N.Yu. – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), the name of file “Vetrov\_AN\_The\_38th\_int\_Paris\_book\_salon\_the\_16th\_19th\_of\_March\_2018\_the\_sci\_mon\_The\_env\_of\_aut\_tr\_with\_the\_prop\_of\_ad\_bas\_on\_the\_c\_m\_RUS.pdf” **[the el. copy of the specified document was submitted to “SPbSU” on the 01<sup>st</sup> of April 2019 y.]**, **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.]**
- 13.1.2. Copy of the letter of thanks of “RANS” (RF, Moscow city) for the participation of the scientific monography on the rights of manuscript [on the competition of scientific degree of the candidate of technical sciences] on the theme “The environment of automated training with the properties of adaptation based on the cognitive models” in “The Moscow international salon of education of 2018 y.” (“MISE 2018”) (The Russian Federation, Moscow city, “EANE”, on the 18<sup>th</sup>-21<sup>st</sup> of April 2018 y.), signed by the chief scientific secretary of “RANS”, c.m.s., prof. Stukova N.Yu. – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), the name of file “Vetrov\_AN\_The\_Moscow\_int\_salon\_of\_education\_the\_18th\_21st\_of\_April\_2018\_the\_sci\_mon\_The\_env\_of\_aut\_tr\_with\_the\_prop\_of\_ad\_bas\_on\_the\_c\_m\_RUS.pdf” **[the el. copy of the specified document was submitted to “SPbSU” on the 01<sup>st</sup> of April 2019 y.]**, **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.]**
- 13.1.3. Copy of the letter of thanks of “RANS” (RF, Moscow city) for the participation of the scientific monography on the rights of manuscript [on the competition of scientific degree of the candidate of technical sciences] on the theme “The environment of automated training with the properties of adaptation based on the cognitive models” in “The 31<sup>st</sup> Moscow international book exhibition-fair of 2018 y.” (“MIBEF 2018”) (The Russian Federation, Moscow city, “EANE”, on the 05<sup>th</sup>-09<sup>th</sup> of September 2018 y.), signed by the chief scientific secretary of “RANS”, c.m.s., prof. Stukova N.Yu. – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), the name of file “Vetrov\_AN\_The\_31th\_Moscow\_int\_book\_exhibition\_fair\_the\_05th\_09th\_of\_Sept\_2018\_the\_sci\_mon\_The\_env\_of\_aut\_tr\_with\_the\_prop\_of\_ad\_bas\_on\_the\_c\_m\_RUS.pdf” **[the el. copy of the specified document was submitted to “SPbSU” on the 01<sup>st</sup> of April 2019 y.]**, **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.]**

- 13.1.4. Copy of the letter of thanks of “RANS” (RF, Moscow city) for the participation of the scientific monography on the rights of manuscript **[on the competition of scientific degree of the candidate of technical sciences]** on the theme “The environment of automated training with the properties of adaptation based on the cognitive models” in “The 36<sup>th</sup> international book exhibition Liber Barcelona of 2018 y.” (“Liber Barcelona 2018”) (The Kingdom of Spain, Barcelona city, on the 03<sup>rd</sup>-05<sup>th</sup> of October 2018 y.), signed by the chief scientific secretary of “RANS”, c.m.s., prof. Stukova N.Yu. – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), the name of file “Vetrov\_AN\_The\_36th\_int\_book\_exhibition\_Liber\_Barcelona\_the\_03rd\_05th\_of\_October\_2018\_the\_sci\_mon\_The\_env\_of\_aut\_tr\_with\_the\_prop\_of\_ad\_bas\_on\_the\_c\_m\_RUS.pdf” **[the el. copy of the specified document was submitted to “SPbSU” on the 01<sup>st</sup> of April 2019 y.]** **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.]**
- 13.1.5. Copy of the letter of thanks of “RANS” (RF, Moscow city) for the participation of the scientific monography on the rights of manuscript **[on the competition of scientific degree of the candidate of technical sciences]** on the theme “The environment of automated training with the properties of adaptation based on the cognitive models” in “The 72<sup>nd</sup> international book exhibition Book Expo America of 2019 y.” (“Book Expo America 2019”) (The United states of America, New York city, on the 29<sup>th</sup>-31<sup>st</sup> of May 2019 y.), signed by the chief scientific secretary of “RANS”, c.m.s., prof. Stukova N.Yu. – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), the name of file “Vetrov\_AN\_The\_72nd\_int\_book\_exh\_Book\_Expo\_America\_the\_29th\_31st\_of\_May\_2019\_the\_sci\_mon\_The\_env\_of\_aut\_tr\_with\_the\_prop\_of\_ad\_bas\_on\_the\_c\_m\_RUS.pdf” **[the el. copy of the specified document was submitted to “SPbSU” on the 31<sup>st</sup> of October 2023 y.]** **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 31<sup>st</sup> of October 2023 y.]**
- 13.1.6. Copy of the letter of thanks of “RANS” (RF, Moscow city) for the participation of the scientific monography on the rights of manuscript **[on the competition of scientific degree of the candidate of technical sciences]** on the theme “The environment of automated training with the properties of adaptation based on the cognitive models” in “The 30<sup>th</sup> international book exhibition Hong Kong Book Fair of 2019 y.” (“Hong Kong Book Fair 2019”) (The people’s republic of China, Hong Kong city, on the 17<sup>th</sup>-23<sup>rd</sup> of July 2019 y.), signed by the chief scientific secretary of “RANS”, c.m.s., prof. Stukova N.Yu. – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), the name of file “Vetrov\_AN\_The\_30th\_int\_book\_exh\_Hong\_Kong\_Book\_fair\_the\_17th\_23rd\_of\_July\_2019\_the\_sci\_mon\_The\_env\_of\_aut\_tr\_with\_the\_prop\_of\_ad\_bas\_on\_the\_c\_m\_RUS.pdf” **[the el. copy of the specified document was submitted to “SPbSU” on the 31<sup>st</sup> of October 2023 y.]** **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 31<sup>st</sup> of October 2023 y.]**
- 13.1.7. Copy of the letter of thanks of “RANS” (RF, Moscow city) for the participation of the scientific monography on the rights of manuscript **[on the competition of scientific degree of the candidate of technical sciences]** on the theme “The environment of automated training with the properties of adaptation based on the cognitive models” in “The international book exhibition Buch Wien of 2019 y.” (“Buch Wien 2019”) (The republic of Austria, Vienna city, on the 06<sup>th</sup>-10<sup>th</sup> of November 2019 y.), signed by the chief scientific secretary of “RANS”, c.m.s., prof. Stukova N.Yu. – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), the name of file “Vetrov\_AN\_The\_int\_book\_exh\_Buch\_Wien\_Austria\_06th\_10th\_of\_November\_2019\_the\_sci\_mon\_The\_env\_of\_aut\_tr\_with\_the\_prop\_of\_ad\_bas\_on\_the\_c\_m\_RUS.pdf” **[the el. copy of the specified document was submitted to “SPbSU” on the 31<sup>st</sup> of October 2023 y.]** **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 31<sup>st</sup> of October 2023 y.]**

- 13.2.1. Copy of the letter of thanks of “RANS” (RF, Moscow city) for the participation of the attestation work (dissertation) on the rights of manuscript **[on the competition of scientific degree of the doctor of technical sciences]** on the theme “The environment of automated training with the properties of adaptation based on the cognitive models” **[the new name “The cognitive modeling technology for the system analysis of the information-educational environments”]** in “The 72<sup>nd</sup> international book exhibition Book Expo America 2019 y.” (“Book Expo America 2019”) (The United states of America, New York city, on the 29<sup>th</sup>-31<sup>st</sup> of May 2019 y.), signed by the chief scientific secretary of “RANS”, c.m.s., prof. Stukova N.Yu. – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), the name of file “4\_7\_Vetrov\_AN\_The\_72nd\_int\_book\_exh\_Book\_Expo\_America\_the\_29th\_31st\_of\_May\_2019\_the\_sci\_mon\_The\_env\_of\_aut\_tr\_with\_the\_prop\_of\_ad\_bas\_on\_the\_c\_m\_RUS.pdf” **[the el. copy of the specified document was submitted to “SPbSU” on the 31<sup>st</sup> of October 2023 y.]**, **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 31<sup>st</sup> of October 2023 y.]**
- 13.2.2. Copy of the letter of thanks of “RANS” (RF, Moscow city) for the participation of the attestation work (dissertation) on the rights of manuscript **[on the competition of scientific degree of the doctor of technical sciences]** on the theme “The environment of automated training with the properties of adaptation based on the cognitive models” **[the new name “The cognitive modeling technology for the system analysis of the information-educational environments”]** in “The 30<sup>th</sup> international book exhibition Hong Kong Book Fair 2019 y.” (“Hong Kong Book Fair 2019”) (People's republic of China, Hong Kong city, on the 17<sup>th</sup>-23<sup>rd</sup> of July 2019 y.), signed by the chief scientific secretary of “RANS”, c.m.s., prof. Stukova N.Yu. – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), the name of file “4\_8\_Vetrov\_AN\_The\_30th\_int\_book\_exh\_Hong\_Kong\_Book\_fair\_the\_17th\_23rd\_of\_July\_2019\_the\_sci\_mon\_The\_env\_of\_aut\_tr\_with\_the\_prop\_of\_ad\_bas\_on\_the\_c\_m\_RUS.pdf” **[the el. copy of the specified document was submitted to “SPbSU” on the 31<sup>st</sup> of October 2023 y.]**, **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 31<sup>st</sup> of October 2023 y.]**
- 13.2.3. Copy of the letter of thanks of “RANS” (RF, Moscow city) for the participation of the attestation work (dissertation) on the rights of manuscript **[on the competition of scientific degree of the doctor of technical sciences]** on the theme “The environment of automated training with the properties of adaptation based on the cognitive models” **[the new name “The cognitive modeling technology for the system analysis of the information-educational environments”]** in “The international book exhibition Buch Wien 2019 y.” (“Buch Wien 2019”) (The republic of Austria, Vienna city, on the 06<sup>th</sup>-10<sup>th</sup> of November 2019 y.), signed by the chief scientific secretary of “RANS”, c.m.s., prof. Stukova N.Yu. – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), the name of file “4\_9\_Vetrov\_AN\_The\_int\_book\_exh\_Buch\_Wien\_Austria\_06th\_10th\_of\_November\_2019\_the\_sci\_mon\_The\_env\_of\_aut\_tr\_with\_the\_prop\_of\_ad\_bas\_on\_the\_c\_m\_RUS.pdf” **[the el. copy of the specified document was submitted to “SPbSU” on the 31<sup>st</sup> of October 2023 y.]**, **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 31<sup>st</sup> of October 2023 y.]**

- 13.2.4. Copy of the letter of thanks of “RANS” (RF, Moscow city) for the participation of the dissertation on the rights of manuscript **[on the competition of scientific degree of the doctor of technical sciences]** on the theme “The environment of automated training with the properties of adaptation based on the cognitive models” **[the new name “The cognitive modeling technology for the system analysis of the information-educational environments”]** in “The XLV<sup>th</sup> anniversary international exhibition-presentation of learning-methodical and literary-art editions of "RANS"” (“AIEPLM and LAE 2020”) (The Russian Federation, Moscow city, “RANS”, on the 27<sup>th</sup> of May 2020 y.), signed by the chief scientific secretary of “RANS”, c.m.s., prof. Stukova N.Yu. – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), the name of file “4\_10\_Vetrov\_AN\_The\_XLVth\_anniversary\_int\_exhibition\_presentation\_of\_the\_tr\_method\_and\_lit\_art\_ed\_the\_27th\_of\_May\_2020\_y\_RUS.pdf” **[the el. copy of the specified document was submitted to “SPbSU” on the 31<sup>st</sup> of October 2023 y.]**, **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 31<sup>st</sup> of October 2023 y.]**
- 13.2.5. Copy of the letter of thanks of “RANS” (RF, Moscow city) for the participation of the dissertation on the rights of manuscript **[on the competition of scientific degree of the doctor of technical sciences]** on the theme “The environment of automated training with the properties of adaptation based on the cognitive models” **[the new name “The cognitive modeling technology for the system analysis of the information-educational environments”]** in “The 33<sup>rd</sup> Moscow international book exhibition 2020 y.” (“MIBE 2020”) (The Russian Federation, Moscow city, “CEH "Manezh"”, on the 02<sup>nd</sup>-06<sup>th</sup> of September 2020 y.), signed by the chief scientific secretary of “RANS”, c.m.s., prof. Stukova N.Yu. – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), the name of file “4\_11\_Vetrov\_AN\_The\_33rd\_Moscow\_int\_book\_exhibition\_fair\_the\_02nd\_06th\_of\_September\_2020\_y\_the\_diss\_The\_env\_of\_aut\_tr\_with\_the\_prop\_of\_ad\_bas\_on\_the\_c\_m\_RUS.pdf” **[the el. copy of the specified document was submitted to “SPbSU” on the 31<sup>st</sup> of October 2023 y.]**, **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 31<sup>st</sup> of October 2023 y.]**
- 13.2.6. Copy of the letter of thanks of “RANS” (RF, Moscow city) for the participation of the dissertation on the rights of manuscript **[on the competition of scientific degree of the doctor of technical sciences]** on the theme “The environment of automated training with the properties of adaptation based on the cognitive models” **[the new name “The cognitive modeling technology for the system analysis of the information-educational environments”]** in “The Frankfurt book exhibition 2020 y.” (“Frankfurter buchmesse 2020”) (The Federative republic of Germany, Frankfurt-on-Maine city, on the 14<sup>th</sup>-18<sup>th</sup> of October 2020 y.), signed by the chief scientific secretary of “RANS”, c.m.s., prof. Stukova N.Yu. – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), the name of file “4\_12\_Vetrov\_AN\_The\_Frankfurt\_book\_exhibition\_the\_14th\_18th\_of\_October\_2020\_y\_the\_diss\_The\_env\_of\_aut\_tr\_with\_the\_prop\_of\_ad\_bas\_on\_the\_c\_m\_RUS.pdf” **[the el. copy of the specified document was submitted to “SPbSU” on the 31<sup>st</sup> of October 2023 y.]**, **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 31<sup>st</sup> of October 2023 y.]**

- 13.2.7. Copy of the letter of thanks of “RANS” (RF, Moscow city) for the participation of the dissertation on the rights of manuscript [on the competition of scientific degree of the doctor of technical sciences] on the theme “The environment of automated training with the properties of adaptation based on the cognitive models” [the new name “The cognitive modeling technology for the system analysis of the information-educational environments”] in “The Moscow international salon of education 2021 y.” (“MISE 2021”) (The Russian Federation, Moscow city, “EANE”, on the 17<sup>th</sup>-23<sup>rd</sup> of May 2021 y.), signed by the chief scientific secretary of “RANS”, c.m.s., prof. Stukova N.Yu. – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), the name of file “4\_13\_Vetrov\_AN\_The\_Moscow\_int\_salon\_of\_education\_the\_17th\_23rd\_of\_May\_2021\_y\_the\_diss\_The\_env\_of\_aut\_tr\_with\_the\_prop\_of\_ad\_bas\_on\_the\_c\_m\_RUS.pdf” **[the el. copy of the specified document was submitted to “SPbSU” on the 31<sup>st</sup> of October 2023 y.], [the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 31<sup>st</sup> of October 2023 y.]**
- 13.2.8. Copy of the letter of thanks of “RANS” (RF, Moscow city) for the participation of the dissertation on the rights of manuscript [on the competition of scientific degree of the doctor of technical sciences] on the theme “The environment of automated training with the properties of adaptation based on the cognitive models” [the new name “The cognitive modeling technology for the system analysis of the information-educational environments”] in “The London book exhibition 2021 y.” (“London Book Fair 2021”) (The United Kingdom of Great Britain and Northern Ireland, London city, on the 21<sup>st</sup> of June – the 01<sup>st</sup> of July 2021 y.), signed by the chief scientific secretary of “RANS”, c.m.s., prof. Stukova N.Yu. – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), the name of file “4\_14\_Vetrov\_AN\_The\_London\_book\_fair\_the\_21st\_of\_June\_2021\_y\_the\_01st\_of\_July\_2021\_y\_the\_diss\_The\_env\_of\_aut\_tr\_with\_the\_prop\_of\_ad\_bas\_on\_the\_c\_m\_RUS.pdf” **[the el. copy of the specified document was submitted to “SPbSU” on the 31<sup>st</sup> of October 2023 y.], [the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 31<sup>st</sup> of October 2023 y.]**
- 13.3.1. Copy of the information letter of “RANS” (RF, Moscow city) about the awarding of “The honorary scientific rank “The founder of the scientific direction” Cognitive informatics (computer science), the cognitive modeling technology for the system and financial analysis”” (see “The registry of the new scientific directions” of “RANS”, see the encyclopedia “Famous scientists” of “RANS”) according to the decision of “The Presidium of “RANS”” (the protocol №699 from the 08.06.2018 y.), signed by the scientific secretary of “The Presidium of “RANS””, c.m.s., prof. Stukova N.Yu. – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), the name of file “Vetrov\_AN\_The\_founder\_of\_the\_scientific\_direction\_RANS\_N699\_from\_the\_08\_06\_2018\_RUS.pdf” **[the el. copy of the specified document was submitted to “SPbSU” on the 01<sup>st</sup> of April 2019 y.], [the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.]**
- 13.3.2. Copy of the information letter of “RANS” (RF, Moscow city) with the invitation to speak with the presentation (oral report) of materials of the new scientific direction “Cognitive informatics (computer science), the cognitive modeling technology for the system and financial analysis” at the presentation of the new scientific edition “The registry of the new scientific directions” of “RANS” (The Russian Federation, Moscow city, “RANS”, on the 20<sup>th</sup>-30<sup>th</sup> of November 2018 y.), signed by the chief scientific secretary of “RANS”, c.m.s., prof. Stukova N.Yu. – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), the name of file “Vetrov\_AN\_The\_founder\_of\_the\_scientific\_direction\_RANS\_N699\_from\_the\_08\_06\_2018\_from\_the\_09\_11\_2018\_RUS.pdf” **[the el. copy of the specified document was submitted to “SPbSU” on the 01<sup>st</sup> of April 2019 y.], [the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.]**

14. The certificates of honor and the diplomas in the fact of participation in the regional and international concourses.
- 14.1. Copy of the diploma to the name of Vetrov A.N. *“For the 3<sup>rd</sup> place in the district concourse”* *“The best on the profession”* on the specialty *“programmer – laboratory-assistant”* of “The interschool training plant №1 of Krasnogvardeisky district” (“ITP №1 of KD”), signed by the director of “ITP №1 of KD” Zimmitsky V.S. (Saint-Petersburg city, 1997 y.) – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), (\*) copy of the specified copyright certificate was registered in the registry book №78/248-n/78-2023-9-284, certified by the notary of the not. district Saint-Petersburg city Soldatenko L.G. on the 09<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 01 sh., 02 p. (in the format “PDF”) (in the national Russian language), the name of file “Vetrov\_AN\_The\_diploma\_of\_the\_IIIrd\_degree\_TIP\_N1\_Saint\_Petersburg\_RF\_on\_concourse\_AN\_Vetrov\_1997\_orig\_RUS.pdf”, (\*) the name of file “Vetrov\_AN\_The\_diploma\_of\_the\_IIIrd\_degree\_TIP\_N1\_Saint\_Petersburg\_RF\_on\_concourse\_AN\_Vetrov\_1997\_Soldatenko\_LG\_09\_11\_2023\_RUS.pdf”  
**[the el. copy of the specified document was submitted to “SPbSU” on the 21<sup>st</sup> of November 2023 y.]**  
**[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 21<sup>st</sup> of November 2023 y.]**
- 14.2. Copy of the diploma of the II<sup>nd</sup> degree *“For the high results and active participation in the scientific-research work”* *“awarded to Vetrov A.N., the student of gr. 7323, for the work on the theme “The development of the acting demonstrative prototype of the expert training system” by the results of the concourse of “LETI” on the best diploma work of the students in 2003 y.”*, signed by the rector of “SPbSETU “LETI”” Puzankov D.V. (Saint-Petersburg city, 2003 y.) – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), (\*) copy of the specified copyright certificate was registered in the registry book №78/248-n/78-2023-9-288, certified by the notary of the not. district Saint-Petersburg city Soldatenko L.G. on the 09<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 01 sh., 02 p. (in the format “PDF”) (in the national Russian language), the name of file “Vetrov\_AN\_The\_diploma\_of\_the\_IIInd\_degree\_SPbSETU\_LETI\_Saint\_Petersburg\_RF\_on\_concourse\_of\_diploma\_projects\_AN\_Vetrov\_11\_02\_2003\_orig\_RUS.pdf”, (\*) the name of file “Vetrov\_AN\_The\_diploma\_of\_the\_IIInd\_degree\_SPbSETU\_LETI\_Saint\_Petersburg\_RF\_on\_concourse\_of\_diploma\_projects\_AN\_Vetrov\_11\_02\_2003\_Soldatenko\_LG\_09\_11\_2023\_RUS.pdf”  
**[the el. copy of the specified document was submitted to “SPbSU” on the 21<sup>st</sup> of November 2023 y.]**  
**[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 21<sup>st</sup> of November 2023 y.]**
- 14.3. Copy of the diploma of the winner of the I<sup>st</sup> degree №159-21-1091 from the 05.10.2021 y. to the name of Vetrov A.N. (“The Saint-Petersburg state university”) *“The VIII<sup>th</sup> international concourse of scientific works”*: the name of work *“The environment of automated training with the properties of adaptation based on the cognitive models”*, the direction *“Technical sciences”*, the nomination *“The diploma works”*, the scientific supervisor: *“d.ph.-m.s., prof. Kvitko A.N.”*, signed by the head of “The scientific public organization “Digital science”” Emelyanov N.V. (Saint-Petersburg city, 2003 y.) – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language), (\*) copy of the specified copyright certificate was registered in the registry book №78/248-n/78-2023-9-292, certified by the notary of the not. district Saint-Petersburg city Soldatenko L.G. on the 09<sup>th</sup> of November 2023 y. (RF, Saint-Petersburg city) – 01 sh., 02 p. (in the format “PDF”) (in the national Russian language), the name of file “Vetrov\_AN\_The\_diploma\_of\_the\_Ist\_degree\_SPbSU\_Saint\_Petersburg\_RF\_on\_the\_int\_concourse\_AN\_Vetrov\_05\_10\_2021\_orig\_RUS.pdf”, (\*) the name of file “Vetrov\_AN\_The\_diploma\_of\_the\_Ist\_degree\_SPbSU\_Saint\_Petersburg\_RF\_on\_the\_int\_concourse\_AN\_Vetrov\_05\_10\_2021\_Soldatenko\_LG\_09\_11\_2023\_RUS.pdf”  
**[the el. copy of the specified document was submitted to “SPbSU” on the 21<sup>st</sup> of November 2023 y.]**  
**[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 21<sup>st</sup> of November 2023 y.]**



15. The details about the author of the dissertation (in the form of manuscript) on the rights of manuscript on the theme “The cognitive modeling technology for the system analysis of the information-educational environments” ( «Технология когнитивного моделирования для системного анализа информационно-образовательных сред» on the competition of scientific degree of the doctor of technical sciences on the specialty 05.13.01 – “The system analysis, control and information processing” ( «Системный анализ, управление и обработка информации» ) ( technical sciences (технические науки) ).
- 15.1. The details about the author (Vetrov A.N.) – 01 sh., 01 p. (in the format “PDF”) (in the national Russian language and the international English language), the name of file “0\_1\_Vetrov\_AN\_The\_information\_about\_author\_from\_the\_16\_01\_2018\_RUS.pdf”, the name of file “0\_1\_Vetrov\_AN\_The\_information\_about\_author\_from\_the\_26\_11\_2018\_RUS.pdf”, the name of file “0\_1\_Vetrov\_AN\_The\_information\_about\_author\_from\_the\_26\_11\_2018\_ENG.pdf”, the name of file “0\_1\_Vetrov\_AN\_The\_details\_about\_author\_from\_the\_17\_11\_2019\_RUS.pdf”, the name of file “0\_1\_Vetrov\_AN\_The\_details\_about\_author\_from\_the\_17\_11\_2019\_ENG.pdf”, the name of file “Vetrov\_AN\_The\_details\_about\_author\_from\_the\_27\_03\_2023\_RUS.pdf”, the name of file “Vetrov\_AN\_The\_details\_about\_author\_from\_the\_27\_03\_2023\_ENG.pdf” **[the el. copy of the specified document was submitted to “SPbSU” on the 01<sup>st</sup> of April 2019 y.l.]**, **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.l.]**
- 15.2. The scientific curriculum vitae (Vetrov A.N.) – 06 sh., 06 p. (in the format “PDF”) (in the national Russian language and the international English language), the name of file “0\_2\_Vetrov\_AN\_The\_scientific\_curriculum\_vitae\_from\_the\_19\_12\_2017\_RUS.pdf”, the name of file “0\_2\_Vetrov\_AN\_The\_scientific\_curriculum\_vitae\_from\_the\_22\_11\_2018\_RUS.pdf”, the name of file “0\_2\_Vetrov\_AN\_The\_scientific\_curriculum\_vitae\_from\_the\_22\_11\_2018\_ENG.pdf”, the name of file “0\_2\_Vetrov\_AN\_The\_scientific\_curriculum\_vitae\_from\_the\_17\_11\_2019\_RUS.pdf”, the name of file “0\_2\_Vetrov\_AN\_The\_scientific\_curriculum\_vitae\_from\_the\_17\_11\_2019\_ENG.pdf”, the name of file “Vetrov\_AN\_The\_scientific\_curriculum\_vitae\_from\_the\_27\_03\_2023\_RUS.pdf”, the name of file “Vetrov\_AN\_The\_scientific\_curriculum\_vitae\_from\_the\_27\_03\_2023\_ENG.pdf” **[the el. copy of the specified document was submitted to “SPbSU” on the 01<sup>st</sup> of April 2019 y.l.]**, **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 01<sup>st</sup> of April 2019 y.l.]**
- 15.3. The questionnaire of the applicant (Vetrov A.N.) of scientific degree of the candidate of sciences, of scientific degree of the doctor of sciences (with taking into account of the letter of “Mineduscience of Russia” from the 02.11.2018 y. №MN-969/GT “About the self-dependent awarding of scientific degrees”, it was submitted in the electronic and print formats) – 17 sh., 17 p. (in the format “PDF”) (in the nat. Russian language and the int. English language), the name of file “0\_3\_Vetrov\_AN\_The\_questionnaire\_from\_the\_18\_02\_2020\_RUS.pdf” **[without date]**, the name of file “0\_3\_Vetrov\_AN\_The\_questionnaire\_from\_the\_18\_02\_2020\_ENG.pdf” **[without date]**, **[the original copy of the specified document was submitted on the 18<sup>th</sup> of February 2020 y.l.]**, **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 18<sup>th</sup> of February 2020 y.l.]**, the name of file “0\_3\_Vetrov\_AN\_The\_questionnaire\_from\_the\_24\_03\_2020\_RUS.pdf”, the name of file “0\_3\_Vetrov\_AN\_The\_questionnaire\_from\_the\_24\_03\_2020\_ENG.pdf” **[the original copy of the specified document was submitted on the 24<sup>th</sup> of March 2020 y.l.]**, **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the 24<sup>th</sup> of March 2020 y.l.]**, the name of file “Vetrov\_AN\_The\_questionnaire\_from\_the\_31\_10\_2023\_RUS.pdf”, the name of file “Vetrov\_AN\_The\_questionnaire\_from\_the\_31\_10\_2023\_ENG.pdf” **[the original copy of the specified document was submitted on the 31<sup>st</sup> of October 2023 y.l.]**, **[the el. copy of the specified document was submitted to “DSADC” of “SPbSU” on the “<sup>th</sup>” of November 2023 y.l.]**

*The notes (see the scientific-educational portal [www.vetrovan.spb.ru](http://www.vetrovan.spb.ru) of Vetrov A.N.):*

1. The specified “The list of documents for the submission to "DSADC" of "SPbSU" of the applicant of scientific degree, attached from the “\_\_<sup>sb</sup>” of \_\_\_\_\_ 2023 y. to the “\_\_<sup>sb</sup>” of \_\_\_\_\_ 2024 y. to the chair "IS" / "MSES" of the faculty "AM – CP" of "SPbSU", "AUT CMT SFA" Vetrov A.N.” was prepared (formed) according to “The order of awarding in "SPbSU" of the scientific degree of the candidate of sciences, the scientific degree of the doctor of sciences”, approved by The order from the 01.09.2016 y. № 6821/1 “About the order of awarding of the scientific degrees in "SPbSU”” (with changes and additions) **[the package of documents of dissertation on the competition of scientific degree of the candidate of technical sciences]**, approved by The order №11181/1 from the 19.11.2021 y. “About the order of awarding of the scientific degrees in "SPbSU”” (with changes and additions) **[the package of documents of dissertation on the competition of scientific degree of the doctor of technical sciences]**, and also “The order of preparation of the conclusion on the dissertation on the competition of scientific degree of the candidate of sciences, on the competition of scientific degree of the doctor of sciences, carried out in "SPbSU", and issuance it to the applicant”, approved by The order from the 06.02.2015 y. № 527/1 “About the order of preparation of the conclusion on the dissertation, carried out in "SPbSU", and issuance it to the applicant” (with changes and additions) **[the package of documents of dissertation on the competition of scientific degree of the candidate of technical sciences]** and “The order of preparation of the conclusion on the dissertation, carried out in "SPbSU", and issuance it to the applicant”, approved by The order № 88/1 from the 14.01.2020 y. “About the approval of "The order of preparation of the conclusion on the dissertation, carried out in "SPbSU", and issuance it to the applicant” (with changes and additions) **[the package of documents of dissertation on the competition of scientific degree of the doctor of technical sciences]**, **[see also the documents, registered in the electronic system of document-flow of “SPbSU” on the 07<sup>th</sup> of February 2018 y.]**

2. The specified materials of dissertation and accompanying documents of the applicant of sci. degree Vetrov A.N. are intended directly for the transfer to the structural subdivisions of “SPbSU” (and other scientific, educational and other organizations at the territory of RF and foreign countries), in particular for the national and foreign members of “The dissertation council” of “SPbSU”.
3. The dissertation (in the form of manuscript) on the rights of manuscript on the theme “ *T h e c o g n i t i v e m o d e l i n g t e c h n o l o g y f o r t h e s y s t e m a n a l y s i s o f t h e i n f o r m a t i o n - e d u c a t i o n a l e n v i r o n m e n t s* ” ( « Т е х н о л о г и я к о г н и т и в н о г о м о д е л и р о в а н и я д л я с и s t e m н о г о а н a л и з а и н ф о р м а ц и о н н о - o б р а з o в а т e л ь н ы х с р e д » ) on the competition of scientific degree of the doctor of technical sciences on the specialty 05.13.01 – “ T h e s y s t e m a n a l y s i s , c o n t r o l a n d i n f o r m a t i o n p r o c e s s i n g ” ( « С и s t e m н ы й а н a л и з , у п р a в л e н и e и o б р a б o t k a и н ф o р м a ц и и » ) ( t e c h n i c a l s c i e n c e s ( т e x н и ч e c к и e н a y к и ) ) [the adaptive systems of automatic control with the determined entrance influences and the reference cognitive models of the subject of training and the means of training, t h e r e c o n s t r u c t e d m o d e l s o f t h e c o g n i t i v e p r o c e s s e s ( a d a п т и в н ы e c и c t e m ы a в т o м a т и ч e c k o г o y п р a в л e н и я c д e т e р м и н и р o в a н н ы м и в x o d н ы м и в o з д e й c t в и я м и и э т a л o n н ы м и к o г н и т и в н ы м и м o d e л я м и c y б ь e k т a o б y ч e н и я и c р e d c t в a o б y ч e н и я , р e k o н c t p y и р y e м ы e м o d e л и к o г н и т и в н ы х п p o c e c c o в ) ] – 3 volumes, 910 p.: vol. 1, 240 p., 2006 y., vol. 2, 252 p., 2006 y. and vol. 3, 418 p., 2008 y., 2010 y. ( i n t h e f o r m a t “ P D F ” ) ( i n t h e n a t i o n a l R u s s i a n l a n g u a g e **[the first book (vol. 1 RUS), the second book (vol. 2 RUS) and the third book (vol. 3 RUS)]** a n d t h e i n t e r n a t i o n a l E n g l i s h l a n g u a g e **[the first book (vol. 1 ENG), the second book (vol. 2 ENG) and the third book (vol. 3 ENG)]**) represents inside the ready original-model, prepared by the applicant of sci. degree Vetrov A.N., it is intended for the “digital” printing in the publishing-house (printing-house) on the “offset” paper (the volume “15 p. sh. (vol. 1), 15,75 p. sh. (vol. 2), 26,125 p. sh. (vol. 3)”, the format “A5 60×84 1/16”, the type of font “Times New Roman”, the size of font “13” and the circulation “20 copies” (+01 contr. copy) directly in the each from the specified two languages: Russian and English).