# Research Scientist / Full Stack Developer / R&D Engineer

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| Full Name: | **Victor SANIKOVICH** |
| Current Position: | Head of the Laboratory of Innovative Technologies in Education |
| Address: | Minsk State Higher Radio engineering College |
| | 62, Nezavisimosti ave., Minsk, 220005, Belarus |
| Mobile: | +375-297707074 |
| E-mail: | Sanikovich@gmail.com |
| Github: | https://github.com/sanikovich/ |
| LinkedIn: | https://www.linkedin.com/in/Sanikovich/ |
| FaceBook: | https://www.facebook.com/sanikovich/ |
| Telegram: | https://t.me/Sanikovich |
| Google Scholar: | https://scholar.google.com/citations?user=V-cZ8kwAAAAJ&hl=en |

## SUMMARY

- Building community and facilitating communication, research, and learning (e-learning) through the focused application of technology.

## TECH STACKS

- **Front End:** Petite-vue, BootStrap, Iconic, JavaScipt, TypeScript, React (redux), TailWind, Sass, Postcss, WebPack, HTML5, CSS3, Flutter, Vue/Svelte
- **Back End:** PHP, Golang, Python (Flask, Django), Node.js (Next.js), TypeORM
- **Data Base:** MongoDB, Cloud Firestore, Postgresql, Redis
- **Tools:** Docker, Kubernetes, AWS, Terraform, Github, Apollo (GraphQL), Auth0, Twilio
- **FHANSE:** FireBase, Hugo, Angular, Stripe, Express
- **LA(N)MP:** Linux (Debian, CentOS), Apache (Nginx), MySQL (MariaDB), PHP (Laravel, CodeIgniter)
- **FOSS:** WordPress, ExpressionEngine, OpenCart, PrestaShop, Joomla, MODx, Moodle, Atutor

## EDUCATION

- **2018** **Certificate** Cryptocurrency and Blockchain, University of Nicosia, **Cyprus;**
- **2015-2017** International Law and European Union Law, European Humanities University, **Vilnius, Lithuania;**
- **2015** **Certificate** in «ISO 9001-2009». Belarusian State Institute for Advanced Training and Retraining on Standardization, Metrology and Quality Management, Minsk, Belarus.
- **2013** **Certificate** in «Creation and maintenance of the Digital Library at the University». Belarusian State University, Minsk, Belarus.
- **2013** **Certificate** in «Creation and maintenance of the Digital Library at the University». Belarusian State University, Minsk, Belarus.
- **2012** **Certificate** of Participation in the International Conference, Kauno Kolegija/ University of Applied Sciences, Kaunas, Lithuania;
- **2011** **Certificate** in «Technology transfer». Belarusian National Tethnical University, Minsk, Belarus.
- **2011** **Certificate** in «Network technology: A+, N+, CCNA, MCITP». UTL Technology University, Bangalore, India.
- **2009** **Certificate** in «Promoting urban and rural sustainable development». Weitz Center of Development Studies, Rehovot, Israel.
- **2008** **Certificate** of Participation in the International Conference, Moscow State University, Moscow, Russian Federation;
- **2008** **Certificate** in «Renewable energy sources». Hochschule Osnabrueck (FH) - University of Applied Sciences Osnabrueck, Germany

- **2008** **Certificate** in «Scientific-theoretical bases of innovative activity in the higher school». Republic Institute of Higher School, Minsk, Belarus.
- **2006** **Certificate** of Participation in the International Conference, Kauno Kolegija/ University of Applied Sciences, Kaunas, Lithuania;
- **2005** **Certificate** in «Statistical processing of experimental data» Republican Institute of Vocational Education, Minsk, Belarus.
- **2004-2007 PHd student in Computer science (**e-Learning Technology), Republican Institute of Vocational Education, Minsk, Belarus;
- **2004** **Certificate** in «Web-multimedia technology». Hochschule Mittweida (FH) - University of Applied Sciences Mittweida, Germany
- **2002-2005 MSc (eq.)** in teaching English, Belarusian State Pedagogical University, Minsk, Belarus;
- **1999-2004 MSc (eq.)** in Radio Electronics, Minsk State Higher Radio Engineering College, Minsk, Belarus

## WORK EXPERIENCE

### QM.BY, Minsk, Belarus (02/2010 – Present)
*Founder • Mentor • CEO • Engineer • Developer*
- Founded and self-funded corporation to help others learn tech skills
- Created QM.BY, unique instructional software framework in Go
- Maintained Linux host in cloud for terminal-based (Bash) learning
- Created app for managing QM.BY and passwords in Go and PostgreSQL
- Administered 100s of workstations running Linux, MacOS, and Windows
- Setup and maintained all network operations and cybersecurity

### Minsk State Higher Radioengineering College, Minsk, Belarus (08/2011 – Present)
*Head of the Laboratory of Innovative Technologies in Education*
- I involve both in teaching and research activities in the College. Research efforts included designing, evaluating, testing and implementing e-learning systems. Main activities included ensuring good quality design and integration of new technologies into curriculum and lesson plans. Designed several systems for e-learning: digital library system, community forums, eProfile system, course management system, quiz system.

### «KV-Partner» Ltd, Minsk, Belarus (03/2010 – 07/2011)
*Full Stack Developer*
- Throughout the period worked as a senior web developer. Developed several web-oriented solutions mainly focused on private business.

### «Electroprofit» Ltd, Minsk, Belarus (04/2009 – 03/2010)
*Full Stack Developer*
- Throughout the period worked as a web developer. Developed several web-oriented solutions mainly focused on private business.

### International Sakharov Environmental University, Minsk, Belarus (12/2007 – 04/2009)
*Head of the technology transfer center of renewed energy sources*
- Took part in multiple research projects and assisted in the preparation and teaching of various engineering and computing courses. Research topics included computer supported collaborative learning (CSCL), teaching methods in informatics, adaptive hypermedia web systems, mobile and contextual learning etc. Worked as a teacher on the following courses: "Programming", "Programming and software engineering", "Algorithms and data structures" and "Programming paradigms and languages".

### Republican Institute of Vocational Education, Minsk, Belarus (12/2004 – 12/2007)
*Scientific researcher*

- Was involved both in teaching and research activities in the Institute. Research efforts included designing, evaluating, testing and implementing e-learning systems. Was assigned to teach "Programming paradigms and languages". Additional teaching activities included mentoring undergraduate and graduate computer science students (seminars, bachelor's and master's thesis).

## MEMBERSHIP OF PROFESSIONAL BODIES
- **Member of the Weitz Center for Development Studies**
- **Moodle Russian Community Support Group**.

## AWARDS
- **Diploma of the Ministry of Education** (No: 198-y, 2004)**.**

## SKILLS
- Linux/UNIX Systems Architecture and Administration
- Site Reliability Engineering (SRE)
- Cloud Native Computing (DevOps)
- System Software Design and Development
- Scripted Automation and Orchestration
- Network Protocol API Design and Development
- Domain Language and Grammar Specification
- Web and Proxy Server Setup and Administration
- Enterprise Data Collection and Management
- Structured Configuration Management and Exchange
- Terminal User Interface (TUI) Specialization
- Enterprise Domain and Data Modeling
- Event-Driven Enterprise Business Patterns
- Agile and Test Driven Development Practices
- Multi-core Asynchronous Programming
- Interprocess Communication Methods (IPC)
- Core Dump and Root Cause Analysis
- Cybersecurity Auditing and Testing
- On-Prem Systems Hardware Administration
- Supply Chain Integration
- Writing and Publication

## Languages
- Russian (native)
- American English (spoken and written)
- German (elementary)
- French (elementary)

## BOOK CHAPTER
1. *Theoretical and organizational-methodological basis for the formation of information-educational environment: monograph* / V.Sanikovich. - Minsk.: Minsk State Higher Radioengineering College, 2007. – 212 p.
2. *Using of woody biomass for energy purposes: scientific review* / S.Kundas, S.Poznyak, O.Rodkin, V.Sanikovich, E.Lengfelder. - Minsk: International Sakharov Environmental University, 2008. – 85 p.

## JOURNAL PAPERS

1. Kundas S.P., Ankuda S.N., Sanikovich V.V. *Information supply of ecological education: Principles, methods and it- facilities* // Information and Communication Technologies. 17th International Scientific Conference Mittweida November 2005, Mittweida, Deutschland / Redaktion dieser Ausgabe: Referentin für Forschung Dr. rer. nat. Ellen Weißmantel. – Nr. 13. - Mittweida: «Hochschule Mittweida (FH) University of Applied Sciences», 2005, pp. 45-47.
2. Ankuda S.N., Sanikovich V.V. *The informational environment of ecological education: Pedagogical conditions of formation* // Information and Communication Technologies. 17th International Scientific Conference Mittweida November 2005, Mittweida, Deutschland / Redaktion dieser Ausgabe: Referentin für Forschung Dr. rer. nat. Ellen Weißmantel. – Nr. 13. - Mittweida: «Hochschule Mittweida (FH) University of Applied Sciences», 2005, pp. 48-50.
3. Ivanova S.I. Sanikovich V.V. Sanikovich O.I. *Informational environments as the means of increase of the quality of the education* // Tendencies of Teacher Training Development of XXI Century: International Scientific - Practical Conference 23/24, February, 2006 / Kedainiai Kaunas College, Kedainiai Jonusas Radvila Study Center. - Lithuania: «Kedainiai Kaunas College», 2006, pp.76-79.
4. Sanikovich V.V. *Quality control of received knowledge in informational environments of multilevel professional education* // Tendencies of Teacher Training Development of XXI Century: International Scientific - Practical Conference 23/24, February, 2006 / Kedainiai Kaunas College, Kedainiai Jonusas Radvila Study Center. - Lithuania: «Kedainiai Kaunas College», 2006, pp.185-187.
5. Sanikovich V.V., Ankuda S.N., Sanikovich O.I. *Using of e-learning in vocational education* // Pedagog profesiinoi shkoli: Zb. nauk. prac' / Za zag. red. N. G. Nichkalo. - Harkiv: NTU "HPG, 2007. –pp.198–203.
6. Sanikovich V.V. Sanikovich O.I., Ivanova S.I. *Development of virtual learning communities and associations in information and educational environments, multi-level vocational education* // Teoretichni ta metodichni zasadi rozvitku pedagogichnoï osviti: pedagogichna maisternist', tvorchist', tehnologiï: 36. nauk, prac' / Za zag. red. N. G. Nichkalo. - Harkiv: NTU "HPG, 2007. –pp.443–448.
7. Sanikovich V.V. *Didactical basics of using information and educational environment of multi-level vocational education* // Professional'noe pedagogicheskoe obrazovanie studentov vuza: problemy i perspektivy (nauchno-pedagogicheskaya shkola M.E. Kobrinskogo) : materialy Mejdunarodnoi nauchno-prakticheskoi konferencii; Minsk, 14 maya 2008 g. : v 2 ch. / redkol.: M.E. Kobrinskii (gl. red.) [i dr.]. - Minsk : BGUFK, 2008. - 4.1. Soderjanie professional'nogo pedagogicheskogo obrazovaniya i innovacionnye obrazovatel'nye tehnologii, informacionnye i kommunikacionnye tehnologii v vysshei shkole. pp. 326-330.
8. Sanikovich V.V. *Information environment of higher education: teaching, virtual learning community and association* // Nauchnye trudy Respublikanskogo instituta vysshei N34 shkoly. Istoricheskie i psihologo-pedagogicheskie nauki : sb. nauch. st. V 2 ch. Ch. 2. Vyp. 6(11) / pod red. V. F. Berkova. -Minsk : RIVSh, 2008. - pp. 232-238.
9. Sanikovich V.V. *Methodic of using information and learning environments in higher engineering and humanitarian education* // Siuolaikinio specialisto kompetencijos: teorijos ir praktikos derme. Tarptaurine moksline - praktine konferencija 2008 m. geguzes 28 d./ Pirmininkas: Prof. Hab. Dr. Jacek Rab, Taikomuju_ visuomenes mokslii katedros vedejas, Silezijos technologijos universiteto Vadybos fakultetas, Lenkija. – Kaunas: Kauno kolegija, 2008. – pp. 111-116.
10. Sanikovich V.V. *Organizational and pedagogical conditions of formation of the information environment of multi-level vocational education* // Nauchnye trudy Respublikanskogo instituta vysshei shkoly. Istoricheskie i psihologo-pedagogicheskie nauki: sb. nauch. st. V 2 ch. Ch. 1. Vyp. 8(13)/ pod red. V. F. Berkova. - Minsk : RIVSh, 2009. – pp. 303-309.

## CONFERENCE PAPERS

1. Viktar V. Sanikovich. *New Wave in Distance Learning* / Nauka i obrazovanie v usloviyah social'no-ekonomicheskoi transformacii: Sbornik statei VII mejdunarodnoi nauchno-metodicheskoi konferencii. Ch. 2. – Brest: Izdatel'stvo Lavrov S.B., 2004. – pp. 292-294.
2. Ankuda S.N., Sanikovich V.V., Ankuda S.S. Features of the use of information technology in vocational education / Nauka i obrazovanie v usloviyah social'no-ekonomicheskoi transformacii: Sbornik statei VII mejdunarodnoi nauchno-metodicheskoi konferencii. Ch. 2. – Brest: Izdatel'stvo Lavrov S.B., 2004. – pp. 299-302.
3. Sanikovich V.V., Ankuda S.N. The human factor in distance learning // Injenerno-pedagogicheskoe obrazovanie: problemy i puti razvitiya: Sb. nauchnyh statei. V 2 ch. (Po itogam raboty MNPK, Minsk, 7 – 8 oktyabrya 2004 g.) Ch.1 / Ministerstvo obrazovaniya RB, Uchrejdenie obrazovaniya «Minskii gosudarstvennyi vysshii radiotehnicheskii kolledj». Pod red. Professora N.A.Cyrel'chuka – Minsk, MGVRK, 2004. – pp. 245 – 246.
4. Sanikovich V.V., Ankuda S.N., Sanikovich O.I. **Mobile learning as an aspect of distance education** // Injenerno-pedagogicheskoe obrazovanie: problemy i puti razvitiya: Sb. nauchnyh statei. V 2 ch. (Po itogam raboty MNPK, Minsk, 7 – 8 oktyabrya 2004 g.) Ch.1 / Ministerstvo obrazovaniya RB, Uchrejdenie obrazovaniya «Minskii gosudarstvennyi vysshii radiotehnicheskii kolledj». Pod red. Professora N.A.Cyrel'chuka – Minsk, MGVRK, 2004. – pp. 246 – 247.

5. Sanikovich V.V., Ankuda S.N., Sanikovich O.I. **Mobile learning in the general structure of multi-level vocational education** / Aktual'nye problemy radioelektroniki: nauchnye issledovaniya, podgotovka kadrov: sb. nauchnyh statei (po itogam raboty MNPK, Minsk, 2-3 iyunya 2005 g.): v 3 ch. Ch. 2 / M-vo obrazovaniya RB, Uchrejdenie obrazovaniya «Minskii gosudarstvennyi vysshii radiotehnicheskii kolledj»; pod obsch. red. prof. N.A. Cyrel'chuka. - Mn.: MGVRK, 2005 pp. 186-189.

6. Sanikovich V.V., Ankuda S.N. The differences in the implementation of e-learning standards / Aktual'nye problemy radioelektroniki: nauchnye issledovaniya, podgotovka kadrov: sb. nauchnyh statei (po itogam raboty MNPK, Minsk, 2-3 iyunya 2005 g.): v 3 ch. Ch. 2 / M-vo obrazovaniya RB, Uchrejdenie obrazovaniya «Minskii gosudarstvennyi vysshii radiotehnicheskii kolledj»; pod obsch. red. prof. N.A. Cyrel'chuka. - Mn.: MGVRK, 2005 pp. 189-193.

7. Sanikovich V.V., Ankuda S.N. Information environment as a means of improving the quality of education / Akmeologiya upravleniya kachestvom obrazovaniya: Sbornik mate-rialov Mejdunarodnoi nauchno-prakticheskoi konferencii, posvyaschennoi 80-letiyu professora N.V. Kuhareva / Pod red. N.V. Kuhareva. - Gomel': GGOIPK, 2005. - Vyp. VII. - Ch 3. pp. 38-42.

8. Ankuda S.N., Sanikovich V.V. Information technology as the basis of modern education / Vysshee tehnicheskoe obrazovanie: problemy i puti razvitiya: Materialy Mejdunar. nauch.-metod. konf. Minsk, 17-18 marta 2004 g. – Mn.: BGUIR, 2004 – pp. 156.

9. Sanikovich V.V., Ankuda S.N. Automated Training System // Obschenauchnaya, professional'naya podgotovka i tehnicheskoe tvorchestvo uchaschihsya i studentov v vysshem kolledje: Materialy 44-i studencheskoi NPK, Minsk, 11 – 14 maya 2004 g. / Ministerstvo obrazovaniya RB, Minskii gosudarstvennyi vysshii radiotehnicheskii kolledj. Pod red. professora N.A.Cyrel'chuka – Mn: MGVRK, 2004 pp. 40- 42.

10. Sanikovich V.V., Ankuda S.N. **Aspects of the compatibility of remote content and mobile learning** / Distancionnoe obuchenie – obrazovatel'naya sreda XXI veka: Materialy IV Mejdunarodnoi nauchno-metodicheskoi konferencii, 10-12 noyabrya 2004 g. – Mn.: BGUIR, 2004 pp. 259-261.

11. Sanikovich V.V. Automated learning systems: pedagogical aspects of the design // Chelovek. Civilizaciya. Kul'tura. IX Mejvuz. nauch.-teoret. konf.: Tezisy dokl.: Minsk, 23 aprelya 2004 g. / Red. sovet: Alpeev A.N. i dr. – Mn: ZAO «Vedy», 2004 pp. 222-223.

12. Kundas S.P., Ankuda S.N., Sanikovich V.V.  Principles, methods and means of information support of higher environmental education // Saharovskie chteniya 2005 goda: ekologicheskie problemy XXI veka: Materialy 5-oi mejdunarod, nauch. konf., 20-21 maya 2005 g., Minsk, Respublika Belarus' / Pod red. SP. Kundasa, A.E. Okeanova, V.E. Shevchuka. - Ch. 2. - Gomel': RNIUP «Institut radiologii», 2005 pp. 273-274.

13. Sanikovich V.V., Ankuda S.N. Using  of mobile learning technologies for the development of information environments of multi-level vocational education/ Vysshaya shkola: problemy i perspektivy: materialy 7-i Mejdunarodnoi nauchno-metodicheskoi konferencii, Minsk, 1-2 noyabrya 2005 g. - Mn. : RIVSh, 2005 pp. 234-236.

14. Sanikovich V.V., Ankuda S.N. Using of modern web-technologies in the process of educational information media // Distancionnoe obuchenie - obrazovatel'naya sreda XXI veka: Materialy V Mejdunar. nauch.-metod. konferencii., 10-11 noyab. 2005 g.-Mn.: BGUIR, 2005 pp. 371-372.

15. Sanikovich V.V., Ankuda S.N. The formation of a management information system in the context of the information environment of the school // Pedagogicheskoe obrazovanie v usloviyah transformacionnyh processov: metodologiya, teoriya, praktika : materialy Mejdunar. nauch.-prakt. konf., g. Minsk, 15—16 dek. 2005 g. / Bel. gos. ped. un-t; redkol. I. I. Cyrkun [i dr.]; otv. red. A. V. Torhova, 3.S. Kurbyko. - Mn.: BGPU, 2005 pp. 106-107.

16. Ankuda S.N., Sanikovich V.V. The socio-educational model of the information environment of vocational education and its implementation algorithm / Edinoe obrazovatel'noe prostranstvo slavyanskih gosudarstv v XXI veke: Problemy i perspektivy: Materialy II Mejdunar.nauch.-prakt.konf. (5-6 apr.2006 g., g.Bryansk) /pod red. V.I.Averchenkova. -Bryansk: BGTU; SGA, 2006. pp. 266-269.

17. Sanikovich V.V., Ankuda S.N. Information and educational environment of multi-level vocational education: didactic guidelines / Sovremennye podhody k podgotovke uchitelya v vysshei shkole: Materialy Mejdunarodnoi nauch.-prakt. konf., 6-7 aprelya 2006 g., g. Mozyr'. - Mozyr': UO MShU, 2006. - pp. 58-60.

18. Sanikovich V.V. Pedagogical learning principles in the structure of informational and educational environment of multi-level vocational education // Sovremennaya radioelektronika : nauchnye issledovaniya, podgotovka kadrov: sb. materialov (po itogam raboty MNPK, Minsk, 20-21 aprelya 2006 g.): v 3 ch. Ch. 2 / M-vo obrazovaniya RB, Uchrejdenie obrazovaniya «Minskii gosudarstvennyi vysshii radiotehnicheskii kolledj» ; pod obsch. red. prof. N.A. Cyrel'chuka. - Mn.: MGVRK, 2006. – pp. 193-197.

19. Sanikovich V.V. Formation of informational and educational environment: a didactic perspective // Sovremennaya radioelektronika : nauchnye issledovaniya, podgotovka kadrov: sb. materialov (po itogam raboty MNPK, Minsk, 20-21 aprelya 2006 g.): v 3 ch. Ch. 2 / M-vo obrazovaniya RB, Uchrejdenie obrazovaniya «Minskii gosudarstvennyi vysshii radiotehnicheskii kolledj» ; pod obsch. red. prof. N.A. Cyrel'chuka. - Mn.: MGVRK, 2006. – pp. 197-201.

20. Sanikovich V.V., Ankuda S.N., Sanikovich O.I. Information and educational environment in the structure of multi-level vocational education // Sovremennaya radioelektronika : nauchnye issledovaniya, podgotovka kadrov: sb. materialov (po itogam raboty MNPK, Minsk, 20-21 aprelya 2006 g.): v 3 ch. Ch. 2 / M-vo obrazovaniya RB, Uchrejdenie obrazovaniya

«Minskii gosudarstvennyi vysshii radiotehnicheskii kolledj» ; pod obsch. red. prof. N.A. Cyrel'chuka. - Mn.: MGVRK, 2006. – pp. 201-204.

21. Sanikovich V.V. Information and educational environment engineering and teacher education: didactic properties and formation conditions // Injenerno-pedagogicheskoe obrazovanie v XXI veke: Materialy II Respublikanskoi nauchno-prakticheskoi konferencii molodyh uchenyh i studentov BNTU, 27-28 aprelya 2006 goda, g.Minsk / pod red. S.A.Ivaschenko, E.E.Petyushik. – Mn.: BNTU, 2006. – pp. 174-178.

22. Sanikovich V.V., Ankuda S.N. Didactical conditions for the use of information and educational media in environmental education // Saharovskie chteniya 2006 goda: ekologicheskie problemy XXI veka: Materialy 6-i mejdunarod. nauchnoi konf., 18-19 maya 2006 goda, g.Minsk, Respublika Belarus' / pod red. S.P.Kundasa, A.E.Okeanova, S.S. Poznyaka. - Mn.: MGEU im. A.D. Saharova, 2006. - Ch. 2. – pp. 336-338.

23. Sanikovich V.V., Ankuda S.N. The emotional component in the informational and educational environment // Vysshee tehnicheskoe obrazovanie: problemy i puti razvitiya: materialy Respublikanskoi nauch.-metod. konf. Minsk, 21-22 noyabrya 2006. — Mn.: BGUIR, 2006. – pp.108.

24. Sanikovich V.V. Virtual communities and associations in information and educational media // Tehnicheskoe i gumanitarnoe obrazovanie v informacionnom obschestve: Materialy Respublikanskoi nauchno-prakticheskoi konferencii, 21-22 sentyabrya 2006 goda, g.Minsk / pod red. M.M.Bolbasa, E.Ya.Ivashina. – Mn.: BNTU, 2006. – pp. 192-194.

25. Ankuda S.N. Sanikovich V.V. Information support environmental education: principles, methods and tools // Ekologicheskoe obrazovanie i vospitanie. Opyt i problemy organizacii ekologicheskih praktik : tez. mejvuz. nauch.-metod. konf, 7-8 dek. 2006 g., Minsk, Respublika Belarus' / pod obsch. red. S. P. Kundasa, S. N. Ankudy. - Minsk: MGEU im. A. D. Saharova, 2006. – pp.4-8.

26. Sanikovich V.V. Information and educational environment as the basis of an open education system // Pedagogicheskoe obrazovanie v usloviyah transformacionnyh processov: metodologiya, teoriya, praktika. Materialy III Mejdunar. nauch.-prakt. Konf., g.Minsk, 7-8 dekabrya 2006 g. / redkol. I.I.Kazimirskaya [i dr.]; otv. red. A.V.Torhova, Z.S.Kurbyko. – Mn.: BGPU im.M.Tanka, 2006. – pp. 201-202.

27. Sanikovich V.V. Ontological model of information-educational environment // Sovremennaya radioelektronika : nauchnye issledovaniya i podgotovka kadrov : sb. materialov (po itogam raboty MNPK, Minsk, 10-11 aprelya 2007 g.): v 4 ch. Ch. 4 / M-vo obrazovaniya RB, Uchrejdenie obrazovaniya «Minskii gosudarstvennyi vysshii radiotehnicheskii kolledj» ; pod obsch. red. prof. N. A. Cy-rel'chuka. - Mn.: MGVRK, 2007. – pp. 212-214.

28. Sanikovich V.V., Ankuda S.N. Formation of informational and educational environment based on Service-Oriented Architecture // Sovremennaya radioelektronika : nauchnye issledovaniya i podgotovka kadrov : sb. materialov (po itogam raboty MNPK, Minsk, 10-11 aprelya 2007 g.): v 4 ch. Ch. 4 / M-vo obrazovaniya RB, Uchrejdenie obrazovaniya «Minskii gosudarstvennyi vysshii radiotehnicheskii kolledj» ; pod obsch. red. prof. N. A. Cy-rel'chuka. - Mn.: MGVRK, 2007. – pp. 215-217.

29. Sanikovich V.V., Ankuda S.N. The information environment of vocational education: a socio-educational model // Sovremennaya radioelektronika : nauchnye issledovaniya i podgotovka kadrov : sb. materialov (po itogam raboty MNPK, Minsk, 10-11 aprelya 2007 g.): v 4 ch. Ch. 4 / M-vo obrazovaniya RB, Uchrejdenie obrazovaniya «Minskii gosudarstvennyi vysshii radiotehnicheskii kolledj» ; pod obsch. red. prof. N. A. Cy-rel'chuka. - Mn.: MGVRK, 2007. – pp. 217-219.

30. Sanikovich V.V., Sanikovich O.I. Funds operational analysis training data in the information-educational environment // Sovremennaya radioelektronika : nauchnye issledovaniya i podgotovka kadrov : sb. materialov (po itogam raboty MNPK, Minsk, 10-11 aprelya 2007 g.): v 4 ch. Ch. 4 / M-vo obrazovaniya RB, Uchrejdenie obrazovaniya «Minskii gosudarstvennyi vysshii radiotehnicheskii kolledj» ; pod obsch. red. prof. N. A. Cy-rel'chuka. - Mn.: MGVRK, 2007. – pp. 219-221.

31. Ankuda S.N., Sanikovich V.V. Educational environmental space: problems and ways of forming // Saharovskie chteniya 2007 goda: ekologicheskie problemy XXI veka: materialy 7-i mejlunar. nauch. konf., 17-18 maya 2007 g., g. Minsk, Respublika Belarus' / pod red. S. P. Kundasa, S. B. Mel'nova, S. S. Poznyaka. - Minsk : MGEU im. A. D. Saharova, 2007. – pp.236.

32. Sanikovich V.V., Ankuda S.N. Monitoring the quality of the knowledge in information environments multilevel vocational education // Informacionno-metodicheskoe obespechenie kontroliruemoi samostoyatel'noi raboty studentov universiteta : materialy resp. nauch.-metod. konf. Minsk, 3-4 noyabrya 2005 g. /redkol.: Yu. E. Krasnov (otv. red.) [i dr.]. - Minsk : BGU, 2007. – pp. 35.

33. Sanikovich, V.V. The development of electronic educational and methodological course for informational and educational environment: general advice / Sovremennaya radioelektronika : nauchnye issledovaniya i podgotovka kad-rov : sb. materialov (po itogam raboty MNPK, Minsk, 23-24 aprelya 2008 g.) v 3 ch. Ch. 3 / M-vo obrazovaniya RB, Uchrejdenie obrazovaniya «Minskii gosudarstvennyi vysshii radiotehnicheskii kolledj»; pod obsch. red. prof. N.A. Cyrel'chuka. - Mn. : MGVRK, 2008. – pp. 176-177.

34. Sanikovich, V.V. Information and educational environment of multi-level vocational education: the student model / V.V. Sanikovich, S.N. Ankuda, O.I. Sanikovich // Sovremennaya radioelektronika : nauchnye issledovaniya i podgotovka kad-rov : sb. materialov (po itogam raboty MNPK, Minsk, 23-24 aprelya 2008 g.) v 3 ch. Ch. 3 / M-vo obrazovaniya RB, Uchrejdenie obrazovaniya «Minskii gosudarstvennyi vysshii radiotehnicheskii kolledj»; pod obsch. red. prof. N.A. Cyrel'chuka. - Mn. : MGVRK, 2008. – pp. 178-179.

35. Ankuda S.N., Sanikovich V.V. Information and educational space, environmental education // Saharovskie chteniya 2008 goda : ekologicheskie problemy XXI veka : materialy 8-i mejdu nar. nauch. konf.. 22-23 maya 2008 g. g. Minsk. Respublika Belarus' / pod red. S.P. Kundasa, S.B. Mel'nova, S.S. Poznyaka. - Minsk: MGEU im. A. D. Saharova, 2008. pp. 298-299.

36. Sanikovich V.V. Center for Technology Transfer as an informational and educational space // Saharovskie chteniya 2008 goda : ekologicheskie problemy XXI veka : materialy 8-i mejdu nar. nauch. konf.. 22-23 maya 2008 g. g. Minsk. Respublika Belarus' / pod red. S.P. Kundasa, S.B. Mel'nova, S.S. Poznyaka. - Minsk: MGEU im. A. D. Saharova, 2008. pp. 322-323.

37. Kundas S.P., Poznyak S.S., Sanikovich V.V. The activities of the center for technology transfer of renewable energy ISEU. AD Sakharov // Saharovskie chteniya 2008 goda : ekologicheskie problemy XXI veka : materialy 8-i mejdu nar. nauch. konf.. 22-23 maya 2008 g. g. Minsk. Respublika Belarus' / pod red. S.P. Kundasa, S.B. Mel'nova, S.S. Poznyaka. - Minsk: MGEU im. A. D. Saharova, 2008. pp. 376-377.

38. Lengfel'der E., Kundas S.P., Poznyak S.S., Sanikovich V.V., Vaicehovich N.N. // Boiler room, wood-biosyre UC "VOLMA" ISEU. AD Sakharov // Saharovskie chteniya 2008 goda : ekologicheskie problemy XXI veka : materialy 8-i mejdu nar. nauch. konf.. 22-23 maya 2008 g. g. Minsk. Respublika Belarus' / pod red. S.P. Kundasa, S.B. Mel'nova, S.S. Poznyaka. - Minsk: MGEU im. A. D. Saharova, 2008. pp. 378-379.

39. Sanikovich V.V. The structure of the virtual resources of renewable energy within the framework of information and educational environment of multi-level vocational education / V.V. Sanikovich // Vozobnovlyaemye istochniki energii : materialy nauchnoi 64 molodejnoi shkoly s mejdunarodnym uchastiem / pod obschei redakciei A. A.Solov'eva. - M. : Universitetskaya kniga, 2008. Ch. 2. - pp. 57-62.

40. Sanikovich V.V. General requirements for the construction of innovative information and educational environments of multi-level vocational education / V.V. Sanikovich // Upravlenie innovacionnoi deyatel'nost'yu v obrazovanii proizvodstve : materialy Mejdunar. nauchno-prakticheskoi konf., Minsk, 21 – 23 maya 2008 g./ BNTU; pod red.: E.Ya. Ivashina, N.Ya. Novik. – Minsk, 2008. – pp. 282-284.

41. Sanikovich V.V., Ankuda S.N. Technology of mobile learning as an aspect of the formation of an innovative learning environment // Distancionnoe obuchenie - obrazovatel'naya sreda XXI veka : materialy VII Mejdunar. nauch.-metod, konferencii (Minsk, 1-2 dekabrya 2011 g.). - Minsk : BGUIR, 2011. – pp. 499-501.