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Education and Research Experience

1990 — graduated from Kharkov State University (now Ukraine), Physics and Technology Department.

1990 - 2006 — Institute for High Energy Physics (Protvino, Russia). Researcher, Senior Researcher, Director of Regional GIS Center.

2007 - up to now — Director of NeoGeography Group at Technopark Protvino, Protvino, Russia.

2012 - up to now — Researcher at World Data Center for Geography, Geographical Department of Lomonosov Moscow State University, Moscow, Russia.

Main Scientific Interests

Digital Earth as a new cartography principle, providing the typology of geospatial paradigms from maps to Digital Earth, investigating the roadmap of the cartography. Scientific Visualization for decision making. Situational Awareness and Net-Centricity, Semiotics and cartosemiotics in the context of Digital Earth. Remote Sensing, processing of satellite images.

Selected Awards and Grants

008 — Award of Russian X Annual Forum «High Technologies — Strategy of XXI Century» for «First 3D City Model for Digital Earth»

2013 — Grant of Russian Fund for Basic Research (RFBR) 13-05-12011 «Developing of methodology of universal geoportal that supports Situational Awareness»

2015 — Grant of Russian Scientific Fund (RSF) 15-17-30009 «Geoinformation Support for Sustainable Development in the context of Global Changing of the Climate»

Selected Publications

1. Digital earth approach for pan- Eurasian experiment (peex program) / В. Тикунов, Е. Ерёмченко, Н. К. Lappalainen, I. Bashkim // *Micro, Macro & Mezzo Geo Information*. — 2015. — no. 5. — P. 26–34.
2. Digital earth and evolution of cartography / Е. Ерёмченко, В. Тикунов, Р. Иванов et al. // *Procedia computer science*. — 2015. — Vol. 66, no. C. — P. 235–238.
3. Володченко А., Голубчиков Ю., Еремченко Е. О синтезе неогеографии и метакартосемиотики. about the synthesis of neogeography and metacartosemiotics. über die synthese der neogeographie und metakartosemiotik // *Геоконтекст: Научный мультимедийный альманах*. —

2014. — № 2. — С. 48–60.
4. Modern information technology: Information visualization, virtual environment, neo-geography, tangible image / А. Алешин, В. Афанасьев, П. Брусенцев et al. // *Scientific Visualization*. — 2013. — Vol. 5, no. 4. — P. 1–17.
 5. 3D documentation of natural heritage for virtual environments and web - case study: Valley of geysers, kamchatka / A. Leonov, A. Klimenko, A. Aleynikov et al. // Proc. of the IADIS Multi Conf. on Computer Science and Information Systems 2011, MCCSIS 2011. — 2011. — P. 255–259.
 6. Virtual story in cyberspace: valley of geysers, kamchatka: Unesco natural heritage site in cyberworld / A. Leonov, A. Serebrov, M. Anikushkin et al. // 10th International Conference on Cyberworlds, CW 2010 Proceedings. sponsors: Nanyang Technological University, IEEE Computer Society, IEEE, ACM SIGGRAPH, Media Development Authority (MDA. — KAMCHATKA, 2010. — P. 247–253.

Last Year Selected Community Teaching

1. 2015. **3D Models For Urban Situational Awareness**. SOPAC, Suva, Fiji.
2. 2015. **Creating 3D models with free software**. IGCE/UNESP, Rio Claro, Brazil