



**Assoc. Prof. Alexander Inavov**  
Nizhny Novgorod State University of Architecture and Civil Engineering  
Nizhny Novgorod, Russian Federation

1. **Family name:** Ivanov
2. **First names:** Alexander
3. **Date of birth:** 16.08.1954
4. **Nationality:** Russian
5. **Civil Status:** married, three children
6. **Education:**

<b>Institution</b>	Nizhny Novgorod State University of Architecture and Civil Engineering (NNSUACE)
<b>Date:</b>	2000
<b>Degree(s) or Diploma(s) obtained:</b>	Industrial safety
<b>Institution</b>	Gorky (Nizhny Novgorod) State University
<b>Date:</b>	1977
<b>Degree(s) or Diploma(s) obtained:</b>	Radio physics

**7. Language skills (5 is the highest level):**

<b>Language</b>	<b>Reading</b>	<b>Speaking</b>	<b>Writing</b>
Russian (native language)	5	5	5
English	4	4	4

9. **PhD: Candidate of economic sciences at the Institute for Mineral Resources Economics, Moscow**  
([www.viems.ru](http://www.viems.ru))
10. **Present position: Associate professor at the Nizhny Novgorod State University of Architecture and Civil Engineering (NNSUACE),**
11. **Years with the organization: 17 years with NNSUACE**
12. **Key qualifications/specialist skills**
  - Lecturer on environment related sciences including environmental monitoring, environmental expertise, informational systems for environment protection, risk assessment, projects assessment (Lecturer at NNSUACE, 1999-present moment)
  - Expert of International council on monuments and sites Russia , (ICOMOS, since 2016 –present moment)
  - Expert on risk and vulnerability assessment including natural and anthropogenic risk assessment (1999-present moment)
  - City-based researcher of the New York University Stern Urbanization Project in collaboration with UN HABITAT and Lincoln Institute of Land Policy The Land and Housing Survey in a Global Sample of Cities (2016)
  - Researcher of the project under the Russian Fund of Basic Research grant 15-45-02580 Development of a bioHydroMeteorological model for lake part of plane reservoirs on the basis of conjugated numerical models(on the example of Gorky reservoir) (2015-present moment)
  - Researcher of the project under the Russian Fund of Basic Research project grant 13-05-12093 Development of methods for estimating parameters of atmospheric and oceanic boundary layers in Emergency Situations of natural and artificial origin by satellite remote sensing comprehensive data and GIS-technologies) (2014-2015)
  - Researcher of the project under the Russian Fund of Basic Research and the Nizhegorodskaya oblast grant 13-05-97068 R\_Povolzh'e\_a "Investigation of hydrophysical processes in the lake part of lowland reservoirs (on the example of Gorky reservoir)." (2013-2015)
  - Coordinator of NNSUACE team at EU CABRI-Volga project “Cooperation Along a Big River” (2004-2006)
  - Health risk assessment including investigation of vulnerable groups under industrial and traffic pressure (In cooperation with Nizhny Novgorod Medical Academy (1992-1993) and Nizhny Novgorod state Centre for Sanitary and Epidemic protection (2001-2004))
  - Social vulnerability assessment to floods based on field investigation of households vulnerability in the Volga basin (cooperation with the Institute of Environment and Human Security of UN University (UNU\_EHS), Bonn, 2005-2007).
  - Legal planning, including development of Nizhny Novgorod city Legal Zoning Code (In cooperation with the Institute for Urban Economics, Moscow 2004-2005)
  - Strategic and long term planning, including development of social and economic municipal plan for Balakhna district, Nizhny Novgorod province (at. 2003-2004),
  - Waste management assessment international project (in cooperation with NGO Dront, Nizhny Novgorod, 2002)
  - Environmental project assistance (national officer at UNDP in the RF, 1998-1999)
  - Environmental protection management, environmental expertise, integrated planning including Nizhny Novgorod general plan development (Deputy Head of Nizhny Novgorod City Environmental Committee, 1994-1998).

- Hydrodynamic modelling of stratified flows including seas and lakes (Researcher at the Institute of Applied physics of the Russian Academy of Science, 1977-1994)

**13. Qualifications related to the mission of SGEM**

Management, evaluation of programs in water and coastal resources management, environmental education, environmental policy, community based natural resources management, urban and industrial pollution reduction, urban planning and management (including such areas as housing, water and sanitation), urban and housing finance, energy sector planning and global climate change.

**14. Professional Experience Record**

<b>Date</b>	<b>1999- up to the present moment</b>
<b>Location</b>	Nizhniy Novgorod, Russia
<b>Company</b>	Nizhniy Novgorod state University of Architecture and Civil Engineering
<b>Position</b>	Associate professor
<b>Description</b>	Education and research

<b>Date</b>	<b>2008- 2010</b>
<b>Location</b>	Nizhniy Novgorod, Russia
<b>Company</b>	Privolzhskaya Ecologicheskaya Auditorskaya Companiya
<b>Position</b>	Scientific Advisor
<b>Description</b>	Environmental assessment and health risk assessment

<b>Date</b>	<b>2004- 2009</b>
<b>Location</b>	Nizhniy Novgorod, Russia
<b>Company</b>	International Ocean Institute, Operational centre Volga
<b>Position</b>	Director
<b>Description</b>	Management of Educational and Scientific projects

<b>Date</b>	<b>2003-2004</b>
<b>Location</b>	Moscow, Russia
<b>Company</b>	The Institute for Urban Economics
<b>Position</b>	Expert on spatial economic development
<b>Description</b>	Development of municipal legal zoning, mid- and long-term municipal programmes

<b>Date</b>	<b>1998-1999</b>
<b>Location</b>	Moscow, Russia
<b>Company</b>	UN Development Programme in the Russian Federation
<b>Position</b>	National officer
<b>Description</b>	Assistance of environmental projects for Nizhniy Novgorod province

<b>Date</b>	<b>1994-1998</b>
<b>Location</b>	Nizhniy Novgorod, Russia
<b>Company</b>	Nizhniy Novgorod State environmental Protection Committee
<b>Position</b>	Deputy Head
<b>Description</b>	Municipal monitoring, expertise and environmental programme management

<b>Date</b>	<b>1992-1993</b>
<b>Location</b>	Nizhniy Novgorod, Russia
<b>Company</b>	City Council
<b>Position</b>	Deputy Head of Environmental Commission
<b>Description</b>	Municipal law acts design and monitoring

<b>Date</b>	<b>1977-1994</b>
<b>Location</b>	Nizhniy Novgorod, Russia
<b>Company</b>	The Institute of Applied Physics of the Russian Academy of Science
<b>Position</b>	Researcher
<b>Description</b>	Field investigation, mathematical and laboratory modelling of stratified flows

## 15. Key Publications

1. PUMPED STORAGE ELECTRIC PLANTS ON A PLANE RIVERS (in Russian)/A.V. Ivanov//Digest Ecolife, №9-10, 2016, 2-7 pp.
2. Development of Interactive Monitoring System for Urban Environmental Impact Assessment of Transport System /Marina Beliakova, Anton Pashkevich, Alexander Ivanov, Alari Purju // Proceedings of the 16th International Conference RELIABILITY and STATISTICS in TRANSPORTATION and COMMUNICATION (RelStat'16), 19–22 October 2016, Riga, Latvia. 129-140 pp
3. ONLINE TRAFFIC JAM MONITORING FOR MOBILE USERS./A. Ivanov, A. Platov, D. Stepanov//16th International Multidisciplinary Scientific GeoConference SGEM 2016, www.sgem.org, SGEM2016 Conference Proceedings, ISBN 978-619-7105-58-2 / ISSN 1314-2704, June 28 - July 6, 2016, Book2 Vol. 1, 781-788 pp
4. ONLINE MONITORING OF WATER QUALITY IN THE LAKE TYPE RESERVOIR BASED ON IN SITU MEASUREMENTS, ASSESSMENT AND FORECAST/A. Ivanov, S. Guseinova //16th International Multidisciplinary Scientific GeoConference SGEM 2016, www.sgem.org, SGEM2016 Conference Proceedings, ISBN 978-619-7105-61-2 / ISSN 1314-2704, June 28 - July 6, 2016, Book3 Vol. 1, 537-544 pp
5. DEVELOPMENT OF METHODS FOR ESTIMATING PARAMETERS OF NATURAL EMERGENCY PHENOMENA USING SATELLITE REMOTE SENSING DATA AND GIS TECHNOLOGIES /Ivanov A.V., Rodionova S.V., Troitskaya Y.I., Sergeev D.A. // International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM. 15th. 2015. C. 563-570.

6. INTERACTIVE SYSTEM FOR ENVIRONMENTAL MONITORING OF TRAFFIC JAM /Ivanov A.V., Platov A.Y., Belyakova M.S., Kaminskaya E.A.// International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM. 15th. 2015. C. 699-705.
7. STRATIFICATION AS A FACTOR OF INFLUENCE ON THE WATER QUALITY OF PLANE RESERVOIRS (in Russian) /A.V. Ivanov, Yu. I Troitskaya, V.V. Papko et al //Privolzhskij-nauchnyj-zhurnal. 2015. № 2 (34). C. 149-156.
8. INVESTIGATION OF HYDROLOGICAL PROCESSES IN THE LAKE PART OF LOWLAND RESERVOIRS OF THE VOLGA BASIN /Ivanov A., Afanasyeva I., Troitskaya Y.//International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 14. 2014. p. 441-446.
9. ENVIRONMENT OF NIZHNY NOVGOROD (In Russian) //Edited by D. Gelashvili, E. Kuposov and L/ Laptiev. Nizhny Novgorod, 2012. (Second edition)
10. ENVIRONMENTAL MIGRATION AS A FACTOR OF VULNERABILITY OF CITIES /A.V. Ivanov, E.S Shevsgun, N.M. Shuvalova//Creative City, Дзержинск, ВВАГС, 2010. 249-262 pp.
11. ECOLOGICALLY SAFE, SUSTAINABLE DEVELOPMENT OF THE VOLGA REGION. ASPECTS OF INTERNATIONAL SCIENTIFIC COOPERATION Kuposov E.V., Paleev A.V., Sobol S.V., Vinogradova T.P., Kaschenko O.V., Katrayeva I.V., Ivanov A.V., Paniutin A.A., Ryzhova T.S., Vinogradov M.A. Nizhny Novgorod, 2009. (2nd edition)
12. INTERACTIVE INFORMATIONAL AND ANALYTIC SYSTEMS TO MAINTAIN REGIONAL SUSTAINABLE DEVELOPMENT ON THE EXAMPLE OF THE VOLGA BASIN (in Russian)/ Ivanov A.V., Kaschenko O.V.// "Innovations", 2009. № 3. 25-31 pp.
13. DEVELOPMENT OF THE METHODS OF ENVIRONMENTAL AND ECONOMIC ASSESSMENT OF URBAN HABITAT AREAS (In Russian) /Ivanov A.V.// Thesis for the degree of candidate of economic sciences at the Institute for Mineral Resources Economics Moscow, 2006.
14. MATHEMATICAL MODELING IN THE PROBLEMS OF FORECASTING EMERGENCY SITUATIONS IN THE OKA RIVER WITHIN NIZHNI-NOVGOROD OBLAST/ Ivanov A.V., Klevannyi K.A., Matveev G.V., Smirnova E.B., Kozlov S.I., Krasilshchikov A.A., Solovich N.E., Pelinovskii E.N., Talipova T.G. //Water Resources. 2000. T. 27. № 3. C. 271-277.
15. ENVIRONMENTAL INVESTMENT POLICY IN NIZHNIY NOVGOROD OBLAST /Ivanov A.// OECD Proceedings. Environmental Financing in the Russian Federation. OECD publications, 2, 114 p. 1998. - p.55-64.
16. MANIFESTATIONS OF INTERNAL WAVES AT THE SEA SURFACE IN THE PRESENCE OF A SURFACTANT FILM /Vasilinenko N.I., Yermakov S.A., Ivanov A.V., Panchenko A.R., Salashin S.G., Troitskaya Yu.I.//Doklady of the Academy of Sciences of the USSR. Earth Science Sections. 1989. T. 307. № 4. pp. 265-267.
17. GENERATION OF INTERNAL WAVES BY AN OSCILLATING SOURCE Ivanov A.V.//Izvestiya. Atmospheric and Oceanic Physics. 1989. T. 25. p. 61.
18. VISUALIZATION AND MEASUREMENTS OF DENSITY INHOMOGENEITIES IN A DENSITY STRATIFIED FLUID USING THE MOIRÉ FRINGE METHOD /Ivanov, A. V. //1988. Preprint No. 189, Institute of Applied Physics, Academy of Sciences of the USSR, Gorkii (in Russian).
19. THE MOTION OF A VORTEX COUPLES IN A STRATIFIED FLUIDS (in Russian)./A.V. Ivanov, A.V. Iebedev, A.L. Piskarev, L.A. Ostrovsky. Fluid Dynamics A Journal of Russian Academy of Sciences, 1987, №2, 183-187.
20. INTERACTION OF INTERNAL WAVES AND TURBULENCE IN THE OCEAN /Ivanov A.V., Ostrovsky L.A., Soustova I.A., Tsimring L.Sh.//Dynamics of Atmospheres and Oceans. 1983. T. 7. № 4. 221-232. p.