

**PUBLISHER INFORMATION**

(EDITORIAL COUNCIL; EDITORIAL BOARD; THE EDITORS; FOUNDERS; PUBLISHER;  
PUBLICATION ETHICS; CONTACTS; MINIMAL SYSTEM REQUIREMENTS  
TO ACCESS THE EDITION; JOURNAL PRODUCTION SCHEDULE)

**EDITORIAL COUNCIL  
PUBLIC ADVISORY BODY****Chairman of the editorial council**

**GUSEV Boris Vladimirovich** – Editor-In-Chief of Electronic Edition «Nanotechnologies in Construction: A Scientific Internet-Journal», Corresponding Member of RAS, President of Russian Academy of Engineering and International Engineering Academy, Head of Department «Construction Materials and Technologies», Moscow State University of Railway Engineering, Honored Scientist of RF, Laureate of USSR and RF State prizes, Doctor of Engineering, Professor, Russian Federation

**Members of The Editorial Council**

**ANANYAN Mikhail Arsenovich** – Director General of CC «Concern «Nanoindustry», President of National Association of Nanoindustry, Member of RANS, Doctor of Engineering, Russian Federation

**KALIUZHNIY Sergei Vladimirovich** – Scientific Advisor of Chairman of Board «RUSNANO», Chief Scientist, Member of Board «RUSNANO», Doctor of Chemistry, Professor, Russian Federation

**KOROLEV Evgeniy Valerjevich** – Pro-rector for Education, Director of the Research and Educational Center «Nanotechnology», National Research University «Moscow State University of Civil Engineering», Adviser of RAACS, Doctor of Engineering, Professor, Russian Federation

**ROTOTAEV Dmitry Alexandrovich** – Director of Innovative Center, Senior Staff Scientist of Federal Budget-Funded Research Institute for Machine Science named after A.A. Blagonravov of the Russian Academy of Sciences, Member of Presidium of Russian Academy of Engineering, Doctor of Engineering, Professor, Russian Federation

**TELICHENKO Valerij Ivanovich** – President of National Research University «Moscow State University of Civil Engineering», Academician of RAACS Honored Scientist of RF, Doctor of Engineering, Professor, Russian Federation

**FIGOVSKY Oleg L'vovich** – Full Member of European Academy of Science, Foreign Member of RAE and RAACS, Editor-in-Chief of SITA, OJ и RPCS, Director of «Nanotech Industries, Inc.» (USA), and Director of International Nanotechnological R&D Center «Polymate» (Israel), President of IAI, Chairman of the UNESCO Chair «Green Chemistry, Golden Angel Prize's Laureate, USA, Israel

**CHERNYSHOV Evgenij Mikhailovich** – Full member of RAACS, Chairman Presidium of Central Regional Department of Russian Academy of Architecture and Construction Sciences, Director of Educational Creative Academic Center «Archstroynauka» SUACE Department of Academic Scientific and Educational Cooperation, Doctor of Engineering, Professor, Russian Federation

**Surendra P. SHAH** – Professor of Civil Engineering in Walter P. Murphy University, and Director of the pioneering, internationally recognized National Science Foundation Science and Technology Center for Advanced Cement-Based Materials (ACBM) at Northwestern University, Evanston, IL., USA, Honorary Professor at Hong Kong Polytechnic University and Honorary Professor at L'Aquila University and the Indian Institute of Technology (Mumbai, India), USA

**SHEVCHENKO Vladimir Yaroslavovich** – Director of Institute of Silicate Chemistry of Russian Academy of Sciences, Member of RAS, Russian Federation

## EDITORIAL BOARD

### Chairman of the editorial board

---

**GUSEV Boris Vladimirovich** – Editor-In-Chief of Electronic Edition «Nanotechnologies in Construction: A Scientific Internet-Journal», Corresponding Member of RAS, President of Russian Academy of Engineering and International Engineering Academy, Head of Department «Construction Materials and Technologies», Moscow State University of Railway Engineering, Honored Scientist of RF, Laureate of USSR and RF State prizes, Doctor of Engineering, Professor, Russian Federation

### Members of the editorial board

---

**BAZHENOV Yury Mikhailovich** – Head of Department «Binders and Concrete Technologies», Scientific Adviser of the Research and Educational Center «Nanotechnology» in National Research University «Moscow State University of Civil Engineering», Member of RAE, Academician of RAACS, Honored Scientist of RF, Doctor of Engineering, Professor, Russian Federation

**Prof. Peter J.M. BARTOS** – The Queen's University of Belfast, UK, Chair of RILEM Technical Committee TC 197-NCM on Nanotechnology in Construction Materials (2002–2009), former Head of Scottish Centre for Nanotechnology in Construction Materials (University of West Scotland), UK

**BELOV Vladimir Vladimirovich** – Vice-Rector for Innovative Development of Tver State Technical University, Head of Department «Production of Building Materials and Wares», Honoured Scientist and Figure of Higher Education of Tver Region, Advisor of RAACS, Doctor of Engineering, Professor, Russian Federation

**LYNKOV Leonid Mihailovich** – Head of the Department «Information Security», Belarussian State University of Informatics and Radioelectronics, Doctor of Engineering, Professor (Minsk, Belarus), Belarus

**MECHTCHERINE Viktor** – Director of the Institute of Construction Materials, Chair of Construction Materials, Technische Universität Dresden, Professor, Doctor of Engineering, Germany

**SOBOLEV Konstantin Gennadievich** – Chairman of Technical Committee ACI 236D on Nanotechnologies in Concrete, Associate Professor of University of Wisconsin-Milwaukee, USA

**URKHANOVA Larisa Alekseevna** – Head of Department «Production of Building Materials and Wares» East-Siberian State University of Technologies and Management, Doctor of Engineering, Professor, Russian Federation

**FALIKMAN Vyacheslav Ruvimovich** – Vice-President of Association «Structural Concrete», Academician of RAE, Russian Government Award Laureate, Honorary Builder of Russia, Member of Bureau in International Union of Laboratories and Experts in Construction Materials, Systems and Structures (RILEM), Member of Technical Committee of American Concrete Institute ACI 236 D «Nanotechnologies in Concrete», Professor of MSUCE, Russian Federation

**KHOZIN Vadim Grigorievich** – Head of Department «Technology of Construction Materials, Products and Structures», Kazan State University of Architecture and Engineering, Honoured Scientist of Russian Federation and the Republic of Tatarstan, Honoured Figure of Higher Education of RF, Doctor of Engineering, Professor, Russian Federation

## THE EDITORS

Editor-in-Chief	D.Eng., Prof. <b>B.V. GUSEV</b>
Executive Editor	<b>YU.A. EVSTIGEEVA</b>
Consultants:	D.Eng., Prof. <b>I.F. GONCHAREVICH</b>
	D.Eng., Prof. <b>V.N. KARPOV</b>
Journalists:	Ph.D. (Engineering) <b>V.A. VLASOV</b>
	<b>K.N. BROEVA</b>
Design and layout	<b>A.S. REZNICHENKO</b>
Translator	Ph.D. (Engineering) <b>S.R. MUMINOVA</b>

## FOUNDERS

**The Russian Academy of Engineering**  
**ООО «CNT «NanoStroitelstvo»**

## PUBLISHER

ООО «CNT «NanoStroitelstvo»

**The Electronic Edition «Nanotechnologies in Construction: A Scientific Internet-Journal»** is registered as an independent mass media in the Ministry of Communication and Mass Media of The Russian Federation. (Registration Certificate ЭЛ № ФС77 – 35813 of 31 March 2009 issued by the Federal Service on Supervision in the Sphere of Connection and Mass Communications).

**The Electronic Edition «Nanotechnologies in Construction: A Scientific Internet-Journal»** has been included in the list of the leading review journals and editions in which the basic results of Ph.D. and Doctoral theses are to be published. (The decision of Presidium of the Highest Certification Committee of Ministry of Education and Science of Russian Federation of 19 February 2010, № 6/6 – <http://www.vak.ed.gov.ru>).

**The Electronic Edition «Nanotechnologies in Construction: A Scientific Internet-Journal»** is included in the system of the Russian Index of Scientific Citation, Ulrich's Periodicals Directory, Chemical Abstracts Service, EBSCO Publishing, ResearchBib, the main information on the papers is published at the website of the Scientific Electronic Library ([www.elibrary.ru](http://www.elibrary.ru)), and is included in the International Periodic Editions database (IPEDB) of the ISSN International Center in Paris, France, that allows increasing audience of readers.

## PUBLICATION ETHICS

Editorial Council, Editorial Board and the editorial staff second the politics aimed at observance of ethical publishing principles and recognize that keeping track of observance of ethical publishing principles is one of the main components in reviewing and publishing activities. The basic ethical principles of reviewing and publishing are available at website <http://www.nanobuild.ru>.

The authors of the published materials are responsible for the reliability of the presented information and utilization of the data which are not to be published avowedly. The editors have the right to make corrections. The opinion of the editors can be different from the authors' opinions, the materials are published to discuss the up-to-date problems. The editors are not responsible for the content of advertisement.

Any full or partial reprinting of the materials is possible only with editors' written permission.

## CONTACTS

**Address:** Russian Federation, 125009, Moscow, Gazetny per., bld. 9, str. 4

**Internet:** <http://www.nanobuild.ru>

**E-mail:** [info@nanobuild.ru](mailto:info@nanobuild.ru)

## MINIMAL SYSTEM REQUIREMENTS TO ACCESS THE EDITION

### Windows

- Intel Pentium® III or equivalent processor.
- Microsoft® Windows® 2000 with Service Pack 4; Windows Server® 2003 (32-bit or 64-bit editions) with Service Pack 1; Windows XP® Professional, Home, Tablet PC(32-bit or 64-bit editions) with Service Pack 2 or 3(32-bit or 64-bit editions); or Windows Vista® Home Basic, Home Premium, Ultimate, Business, or Enterprise with Service Pack 1 or 2 (32-bit or 64-bit editions).
- 128MB of RAM (256MB recommended for complex forms or large documents).
- 170MB of available hard-disk space.
- Microsoft Internet Explorer 6.0 or 7.0, Firefox 1.5 or 2.0, Mozilla 1.7, AOL 9, Google Chrome 5.0, Opera 10.6.

### Macintosh

- PowerPC G3, G4, G5 or Intel processor.
- Mac OS X v10.4.11–10.5.5.
- 128MB of RAM (256MB recommended for complex forms or large documents).
- 170MB of available hard-disk space (additional space required for installation).
- Safari® (Shipping with supported OS).

## JOURNAL PRODUCTION SCHEDULE IN 2014

№№	Papers submission deadline	Editing, proof-reading, layout, agreement with authors	The approval of the issue by the Editor-in-Chief	Website publication	Mailing to subscribers
2014, Vol. 6, № 1	24.01.14	14.02.14	17.02.14	24.02.14	28.02.14
2014, Vol. 6, № 2	18.03.14	15.04.14	21.04.14	25.04.14	29.04.14
2014, Vol. 6, № 3	23.05.14	16.06.14	20.06.14	25.06.14	30.06.14
2014, Vol. 6, № 4	22.07.14	18.08.14	23.08.14	27.08.14	30.08.14
2014, Vol. 6, № 5	17.09.14	17.10.14	20.10.14	25.10.14	30.10.14
2014, Vol. 6, № 6	13.11.14	12.12.14	16.12.14	19.12.14	24.12.14

Issue 2014, Volume 6, № 3 approved on 20.06.2014