



Editorial

THE FIFTH DECADE

Editor-in-Chief Prof. Edmundas Kazimieras Zavadskas

It turned 40 years in 2007 since in Lithuania it have been started to publish series of studies of Civil Engineering.

- Lithuanian Collection of Mechanics (No. 1–33, 1967–1994; ISSN 0460-2242, Editor prof. A. Čyras)
- Reinforced Concrete Structures (No. 1–16, 1967–1989, ISSN 0372-3070, Editor prof. A. Kudzys)
- Building Materials and Structures (No. 1–9, 1971–1981, ISSN 0202-3210, Editor prof. G. Marčiukaitis)
- Building Structures (No. 10–20, 1983–1995, ISSN 0208-2500, Editor prof. G. Marčiukaitis)
- Building Economy and Organization (No. 1–17, 1971–1990, ISSN 0202-3210, Editor prof. K. Antanavičius).
- Building Economy and Management (No. 18, 1993, ISSN 0208-2497, Editor prof. K. Antanavičius).
- Construction Technology and Management (No. 1–7, 1984–1993, Editor Prof. E. K. Zavadskas)
- Structural Repair and Strengthening (No. 1–2, 1992 and 1995, Editor Prof. Z. Kamaitis)

In Vilnius Gediminas Technical University the decision was made to unite all these studies into one periodical journal in 1995. There were started to publish research journal „Statyba“ (Civil Engineering). Under this title it was published 7 volumes, each of them consisted of 4–6 issues (vol. 1–7, 1995–2001, print ISSN 1392-1525, online ISSN 1822-3605, Editor prof. E. K. Zavadskas). The papers were published in different languages.

Since 2002 the title of the journal was changed into Journal of Civil Engineering and Management. During 2002–2004 vols. 8–10 were published. Each volume consisted of 4 issues (in English).

The Editorial Board of the journal consists of 33 professors from abroad representing the following countries: (USA – 7, Germany – 3, Portugal – 1, Hungary – 1, United Kingdom – 3, Poland – 4, China – 1, Finland – 1;

Estonia – 1, Austria – 1, Belgium – 1, Ukraine – 1, Israel – 1, Japan – 1, Korea – 1, Latvia – 1, Hong Kong – 1, South African Republic – 1, Australia – 1, Czech Republic – 1). Most of these professors have a large experience in publishing other well-known high-quality journals in the world. For example, there are the editors-in-chief and region editors of the following issues: Prof. M. J. Skibniewski of journal “Automation in Construction”, Prof. H. Adeli of journals “Computer-Aided Civil and Infrastructure Engineering” and “Integrated Computer-Aided Engineering”, Dr. V. Babrauskas of “Fire Safety Journal”, Prof. P. J. Dowling of “Journal of Construction Steel Research”, E. J. Jaselskis of “Journal of Construction Engineering and Management”, prof. H. A. Mang of journal “Engineering Structures”, prof. M. Skitmore of journal “Construction Innovation”. Other professors are active scientists and the members of editorial board. In addition, in the editorial board are also working the President of the UN-established International Council for Research and Innovation in Building and Construction (CIB) prof. Peter Barrett and IAARC President – Prof. Ronie Navon. Moreover, for journal publishing also actively work the Local Editorial Board, made of Lithuanian scientists from civil engineering and related fields. These scientists accomplish the primary reviewing the received papers. If the paper is not rejected during this reviewing, it is sent at least to two foreign reviewers (see Table). Since 2006 Journal of Civil Engineering and Management has North American Editor Prof. M. J. Skibniewski.

Journal of Civil Engineering and Management is a peer-reviewed quarterly journal which provides an international forum for disseminating the latest original research, achievements and developments in all areas of civil engineering and management. The journal is to provide a multidisciplinary forum for researchers, designers, users and manufacturers involved in the different fields of civil engineering and management.

Distribution of reviewers from countries

Country	The amount of reviewers	Country	The amount of reviewers
Lithuania	59	Ukraine	3
Poland	37	Algeria	2
USA	15	Austria	2
UK	12	China	2
Germany	9	Greece	2
Latvia	8	Thailand	2
Australia	6	Bostwana	1
Portugal	6	Brazil	1
Sweden	6	Bulgaria	1
Estonia	5	Chile	1
Canada	4	Cyprus	1
Czech Republic	4	Egypt	1
Italy	4	Iceland	1
Russia	4	Iran	1
Belgium	3	Korea	1
Croatia	3	Macedonia	1
Denmark	3	Mexico	1
France	3	New Zealand	1
Finland	3	Singapore	1
Hong Kong	3	Slovak Republic	1
Hungary	3	Slovenia	1
India	3	South African Republic	1
Israel	3	Switzerland	1
Japan	3	Taiwan	1
Norway	3	Turkey	1
		Total	244

Currently the papers published in “Journal of Civil Engineering and Management” are abstracted/indexed by:

- Compendex (Engineering Information database),
- INSPEC (Database of Institution of Engineering and Technology)
- Cambridge Scientific Abstracts (Civil Engineering Abstracts, Engineering Materials Abstracts, Corrosion Abstracts, Mechanical and Transportation Engineering Abstracts, METADEX, Aerospace & High Technology Database, Computer and Information Systems Abstracts, Electronics and Communications Abstracts, Aluminum Industry Abstracts, Ceramic Abstracts, Copper Data Center Database, Advanced Polymers Abstracts, Composite Industry Abstracts, Materials Business File),
- GALE (Cengage learning),
- EBSCO (Academic Search Complete),
- SCOPUS (Elsevier database),
- IRBdirect and ICONDA (the CIB international construction database),
- VINITI Abstracts Journal (Referativyi Zhurnal – RZh).

One can find that major publications cover representatives of the Baltic Sea region countries (78 %), namely, Estonia, Finland, Germany, Latvia, Lithuania, Norway, Poland, Russia, Sweden, and the rest part (12 %) of European countries (Austria, Belarus, Belgium, Czech Republic, Denmark, France, Italy, Portugal, Slovenia, Spain, Ukraine, UK) and other (10 %) North America (USA), Asia (Hong Kong, India, Iran, Taiwan, Turkey), Africa (Algeria, Botswana, Egypt, Uganda) Australia.

In 2006, after the information gathering from ISI Web of Science database and making preliminary calculation following the Journal Citation Report (JCR) methodology were these results obtained: JCEM in 2006 in ISI Web of Science database was cited 91 time and following JCM methodology were counted the Impact Factor equal to 0,27, Journal Immediacy Index – 0, in 2006 42 papers (A) were published, where 712 sources (B) were cited, the relation B/A was equal to 17. Analogically in 2007, in ISI Web of Science this journal were cited 110 times, Impact Factor is equal to 0,250, Journal Immediacy Index – 0,541, in the mentioned year in JCEM 37 papers (A) were published, where 757 sources (B) were cited. The relation of them (B/A) is equal to 20,46.

The Journal of Civil Engineering and Management. International Research and Achievements in 2008 publishing the vol. 14, no. 1 starts the 5th decade of its history.

The Editors of this journal would like to express they acknowledgement for all the members of the editorial board and (following) to the experts, who made the reviews of the papers, for their priceless contribution in increasing the quality of the papers. Thanks to their help the prestige of the Journal is continuing to grow among readers. We frankly hope for your contribution in future.

- Andrus Aavik
Tallinn University of Technology, Estonia
- Boris Androić
University of Zagreb, Croatia
- Jurgita Antuchevičienė
Vilnius Gediminas Technical University, Lithuania
- Rasa Apanavičienė
Kaunas University of Technology, Lithuania
- Piotr Aliawdin,
Szczecin University of Technology, Poland
- Vytenis Babrauskas,
Fire Science & Technology Inc., USA
- Darius Bačinskas
Vilnius Gediminas Technical University, Lithuania
- Rogério Bairrao
Portuguese National Laboratory for Civil Engineering, Portugal
- Toader A. Balan
MIDASoft Inc, USA
- Gyorgy L. Balazs
Budapest University of Technology and Economics, Hungary
- Nerija Banaitienė
Vilnius Gediminas Technical University, Lithuania
- Audrius Banaitis
Vilnius Gediminas Technical University, Lithuania
- Rimantas Barauskas
Kaunas University of Technology, Lithuania
- Jonas Bareišis
Panevėžys Institute of Kaunas University of Technology, Lithuania
- Rui Carneiro Barros
University of Porto, Portugal
- Romualdas Baušys
Vilnius Gediminas Technical University, Lithuania
- Žilvinas Bazaras
Panevėžys Institute of Kaunas University of Technology, Lithuania
- Michael G. Behm
East Carolina University, USA
- Olita Belindzeva-Korkla,
Riga Technical University, Latvia
- Andrey V. Benin
St. Petersburg State University of Transport, Russia
- Joseph Berechman
University of British Columbia, Canada
- Abbes Berrais
University of Bolton, UK
- Jan Bien
Wrocław University of Technology, Poland
- Thomas Bock
Munich Technical University, Germany
- Adam Borkowski
Institute of Fundamental Technological Research, Poland
- Adorján Borosnyói
Budapest University of Technology and Economics, Hungary
- Sebastjan Bratina
University of Ljubljana, Slovenia
- Janis Brauns
Latvian University of Agriculture, Latvia
- Henrik Brøhus
Aalborg University, Denmark
- Feliks Bulavs
Riga Technical University, Latvia
- Olivier Burdet
Ecole Polytechnique Federale de Lausanne, Switzerland
- Marija Burinskienė
Vilnius Gediminas Technical University, Lithuania
- John Cairns
Heriot-Watt University, UK
- Marcello Ciampoli
Università di Roma La Sapienza, Italy
- Samir E. Chidiac
McMaster University, Canada
- Marios Chryssanthopoulos
University of Surrey, UK
- Horacio Colina
Laboratory of Material Analysis and Identification, France
- Andrzej Czyżewski
Gdansk University of Technology, Poland
- Remigijus Čiegis
Vytautas Magnus University, Lithuania
- Kęstutis Čiuprinskas
Vilnius Gediminas Technical University, Lithuania
- Donatas Čygas
Vilnius Gediminas Technical University, Lithuania
- Alfonsas Daniūnas
Vilnius Gediminas Technical University, Lithuania
- Sélim Datoussaïd
Faculté Polytechnique de Mons, Belgium
- Mykolas Daunys
Kaunas University of Technology, Lithuania
- Patrick J. Dowling
Imperial College London, UK
- Gintautas Dzemyda
Institute of Mathematics and Informatics, Lithuania
- Lars Eckfeldt
Technische Universität Dresden, Germany
- Per Fahlén
Chalmers University of Technology, Sweden
- Dongping Fang
Tsinghua University, China
- Paul P. Fazio
Concordia University, Canada
- Paulo A. L. Fernandes
Polytechnic Institute of Leiria, Portugal
- Massimo Fragiaco
University of Canterbury, New Zealand
- Catherine French
University of Minnesota, USA
- Ilija B. Frenkel
Sami Shamoon College of Engineering, Israel
- Jean-Louis Gallias
Cergy-Pontoise University, France
- László Garbai
Budapest University of Technology and Economics, Hungary
- Mihail Garevski
Ss. Cyril and Methodius University Skopje, Republic of Macedonia
- Andrzej Garstecki
Poznan University of Technology, Poland
- Hua Ge
British Columbia Institute of Technology, Canada
- Christoph Gehlen
University of Stuttgart, Germany
- Ulf Arne Girhammar
Umeå University, Sweden
- Marian A. Gizejowski
University of Botswana, Botswana
- Marco Aurélio Stumpf González
Universidade do Vale do Rio dos Sinos, Brazil
- Douglas Goode
University of Manchester, UK
- Alan Griffith
Sheffield Hallam University, UK
- Philip W. Griffiths
University of Ulster, UK
- Juozas Gudzinaskas
Kaunas University of Technology, Lithuania
- Jürgen Grünberg
Leibniz Universität Hannover, Germany
- Muhammad Hadi
University of Wollongong, Australia
- Lin-Hai Han
Tsinghua University, China
- Bengt Hansson
Lund University, Sweden
- Christian Hellmich
Vienna University of Technology, Austria
- Chris T. Hendrickson
Carnegie Mellon University, USA
- Bożena Hoła
Wrocław University of Technology, Poland
- Jerzy Hoła
Wrocław University of Technology, Poland

- Klaus Holschemacher
Leipzig University of Applied Sciences, Germany
- Ivar Horvli
Norwegian University of Science and Technology, Norway
- Chung-Fah Huang
National Kaohsiung University of Applied Sciences, Taiwan
- Juhan Idnurm
Tallinn University of Technology, Estonia
- Yuji Ishiyama
Hokkaido University, Japan
- Derek Jackson
University of Manchester, UK
- Radhey Shyam Jangid
Indian Institute of Technology, India
- Virginija Jankauskaitė
Kaunas University of Technology, Lithuania
- Leszek Janusz
ViaCon Polska, Poland
- Piotr Jaśkowski
Lublin University of Technology, Poland
- Janusz Jezowiecki
Wrocław University of Technology, Poland
- Endel Jõgioja
JÕGIOJA Building Physics Consult, Estonia
- Osamu Joh
Hokkaido University, Japan
- J. B. Joshi
University of Mumbai, India
- Egidijus Saulius Juodis
Vilnius Gediminas Technical University, Lithuania
- Algirdas Juozapaitis
Vilnius Gediminas Technical University, Lithuania
- Gintaris Kaklauskas
Vilnius Gediminas Technical University, Lithuania
- Zdenek Kala
Brno University of Technology, Czech Republic
- Targo Kalamees
Tallinn University of Technology, Estonia
- Kazys Algirdas Kaminskas
Vilnius Gediminas Technical University, Lithuania
- Mieczysław Kamiński
Wrocław University of Technology, Poland
- Aleksander Kapelko
Wrocław University of Technology, Poland
- Oleg Kaplinski
Poznan University of Technology, Poland
- Romanas Karkauskas
Vilnius Gediminas Technical University, Lithuania
- Tom Kauko
Norwegian University of Science and Technology, Norway
- Michael J. Kavvadas
National Technical University of Athens, Greece
- Valerijus Keras
Kaunas University of Technology, Lithuania
- Vladislovas Keršulis
Institute of Thermal Insulation, Lithuania
- Halina Koczyk
Poznan University of Technology, Poland
- Marta Kosior-Kazberuk
Białystok Technical University, Poland
- Robert Kowalski
Warsaw University of Technology, Poland
- Edwin Koźniewski
Białystok Technical University, Poland
- Ireneusz Kreja
Gdansk University of Technology, Poland
- Andris Kreslins
Riga Technical University, Latvia
- Audronis K. Kvedaras
Vilnius Gediminas Technical University, Lithuania
- Vaclovas Kveselis
Lithuanian Energy Institute, Lithuania
- Somasundaram Kumanan
National Institute of Technology, India
- Zohar Laslo
Sami Shmoon College of Engineering, Israel
- Andrzej Lapko
Białystok Technical University, Poland
- Antanas Laukaitis
Institute of Thermal Insulation, Lithuania
- Albertas Laurinavičius
Semiconductor Physics Institute, Lithuania
- Alfредas Laurinavičius
Vilnius Gediminas Technical University, Lithuania
- Hau Yan Leung
Chu Hai College, Hong Kong
- Zongjin Li
Hong Kong University of Science & Technology, Hong Kong
- Roode Liias
Tallinn University of Technology, Estonia
- Shen Lijun
National University of Singapore, Singapore
- Donatas Lipinskas
Fire and Rescue Department under the Ministry of the Interior, Lithuania
- Laura N. Lowes
University of Washington, USA
- Henrik Lund
Aalborg University, Denmark
- Karin Lundgren
Chalmers University of Technology, Sweden
- John Ma
University of Tennessee-Knoxville, USA
- Romualdas Mačiulaitis
Vilnius Gediminas Technical University, Lithuania
- Pentti Mäkeläinen
Helsinki University of Technology, Finland
- Vida Maliene
Liverpool John Moores University, UK
- Paweł Malinowski
Wrocław University of Technology, Poland
- Herbert A. Mang
Vienna University of Technology, Austria
- Ewa Marcinkowska
Wrocław University of Technology, Poland
- Gediminas Marčiukaitis
Vilnius Gediminas Technical University, Lithuania
- Darius Markauskas
Vilnius Gediminas Technical University, Lithuania
- James Marrow
University of Manchester, UK
- Vytautas Martinaitis
Vilnius Gediminas Technical University, Lithuania
- Mohamed Marzouk
Cairo University, Egypt
- Gianfranco De Matteis
University of Naples Federico II, Italy
- Rene Maquoi
University of Liege, Belgium
- Efren Mezura-Montes
Laboratorio Nacional de Informatica Avanzada, Mexico
- Czesław Miedziałowski
Białystok University of Technology, Poland
- Zbigniew Mielczarek
Szczecin University of Technology, Poland
- Walaa S. Mogawer
University of Massachusetts Dartmouth, USA
- Abdulrezak N. Mohamed
Eastern Mediterranean University, Turkey
- Sergey V. Morozov
Sibproektstalkonstrukcija, Russia
- Vladimir F. Mushchanov
Donbass National Academy of Civil Engineering and Architecture, Ukraine
- Tarun Naik
University of Wisconsin – Milwaukee, USA

- Juris Rihards Naudžuns
Riga Technical University, Latvia
- Arūnas A. Navickas
Kaunas University of Technology, Lithuania
- Ronie Navon
Technion – Israel Institute of Technology, Israel
- Thomas Ng
University of Hong Kong, Hong Kong
- Raimo Niemelä
Finnish Institute of Occupational Health, Finland
- Arnoldas Norkus
Vilnius Gediminas Technical University, Lithuania
- Maciej Nowak
Karol Adamiecki University of Economics, Poland
- Yoshihiko Ohama
Nihon University, Japan
- Stephen O. Ogunlana
Asian Institute of Technology, Thailand
- Togay Ozbakkaloglu
University of Adelaide, Australia
- Leonids Pakrastinsh
Riga Technical University, Latvia
- Leonardo Pagnotta
University of Calabria, Italy
- John-Paris Pantouvakis
National Technical University of Athens, Greece
- Josifas Parasonis
Vilnius Gediminas Technical University, Lithuania
- Natalija A. Parfentjeva
Moscow State University of Civil Engineering, Russia
- Chansik Park
Chung-Ang University, Korea
- Doncho Partov
Sofia Engineering Higher School, Bulgaria
- Jerzy Paslawski
Poznan University of Technology, Poland
- Luiz Antonio Pereira de Oliveira
University of Beira Interior, Portugal
- Steve Perkins
Montana State University-Bozeman, USA
- Michael F. Petrou
University of Cyprus, Cyprus
- Amorn Pimanmas
Sirindhorn International Institute of Technology, Thailand
- Rui Pinho
University of Pavia, Italy
- Luis Carlos Prola
Polytechnic Institute of Tomar, Portugal
- David Proverbs
University of Wolverhampton, UK
- Jure Radić
University of Zagreb, Croatia
- Jerzy Rakowski
Poznan University of Technology, Poland
- Saulius Raslanas
Vilnius Gediminas Technical University, Lithuania
- Erich Raue
Bauhaus University Weimar, Germany
- Olli Ravaska
Helsinki University of Technology, Finland
- Viktoras Ražaitis
Vilnius Academy of Fine Arts, Lithuania
- Karlis Rocens
Riga Technical University, Latvia
- Magdalena Rogalska
Lublin University of Technology, Poland
- Artur Rogoża
Vilnius Gediminas Technical University, Lithuania
- Stefan A. Romanoschi
Kansas State University, USA
- Arne Roos
Uppsala University, Sweden
- Pavla Rovnanikova
Brno University of Technology, Czech Republic
- Les Ruddock
University of Salford, UK
- Žymantas Rudžionis
Kaunas University of Technology, Lithuania
- Jeremi Rychlewski
Poznan University of Technology, Poland
- Barbara Sadowska-Buraczewska
Bialystok Technical University, Poland
- Zoltán Sadoický
Institute of Construction and Architecture of the Slovak Academy of Sciences, Slovak Republic
- Oleg D. Samarin
Moscow State University of Civil Engineering, Russia
- Krzysztof Schabowicz
Wroclaw University of Technology, Poland
- Luc Schueremans
Katholieke Universiteit Leuven, Belgium
- Dmitrijs Serdjuks
Riga Technical University, Latvia
- Hossein Showkati
Urmia University, Iran
- Yannick Sieffert
INSA de LYON / SNCF, France
- Marijonas Sinica
Institute of Thermal Insulation, Lithuania
- Henrikas Sivilevičius
Vilnius Gediminas Technical University, Lithuania
- Martin Skitmore
Queensland University of Technology, Australia
- Mirosław J. Skibniewski
University of Maryland, USA
- Janusz Skorek
Silesian University of Technology, Poland
- Alfonas Skrinska
Vilnius Gediminas Technical University, Lithuania
- John Smallwood
Nelson Mandela Metropolitan University, South Africa
- Anna Sobotka
Lublin University of Technology, Poland
- Parviz Soroushian
Michigan State University, USA
- Jerzy Sowa
Warsaw University of Technology, Poland
- Vytautas Stankevičius
Institute of Architecture and Construction, Lithuania
- Stanislav Stastnik
Brno University of Technology, Czech Republic
- Vytautas J. Stauskis
Vilnius Gediminas Technical University, Lithuania
- Barbara Surowska
Lublin University of Technology, Poland
- Elżbieta Danuta Szmigiera
Warsaw University of Technology, Poland
- Antanas Šapalas
Vilnius Gediminas Technical University, Lithuania
- Jonas Šaparauskas
Vilnius Gediminas Technical University, Lithuania
- Stasys Šinkūnas
Kaunas University of Technology, Lithuania
- Vivian W. Y. Tam
Griffith University, Australia
- Romualdas Tamošaitis
Vilnius Gediminas Technical University, Lithuania
- Jochen Teizer
Georgia Institute of Technology, USA
- Ralejs Tepfers
Chalmers University of Technology, Sweden
- Andrzej J. Tomaszewicz
Agricultural University of Norway, Norway
- Vaidotas Trinkūnas
Vilnius Gediminas Technical University, Lithuania
- Laimutis Jonas Vaicekuskas
University of Klaipėda, Lithuania
- Egidijus Rytas Vaidogas
Vilnius Gediminas Technical University, Lithuania

Zenon Waszczyszyn
*Cracow University of Technology,
 Poland*

Carlos Vaz
University of Lusofona, Portugal

Nijolė Vegytė
*Vilnius Gediminas Technical
 University, Lithuania*

Vytautas Venckevičius
*Panevėžys Institute of Kaunas
 University of Technology, Lithuania*

Sergio Vera
Catholic University of Chile, Chile

Frank Werner
Bauhaus University Weimar, Germany

Kuldeep S. Virdi
City University London, UK

Viktorija E. Volkova
*Dniepropetrovsk National University
 of Railway Transport, Ukraine*

Vitaly A. Voznesensky
*Odessa State Building and
 Architecture Academy, Ukraine*

Ron R. Wakefield
*Royal Melbourne Institute of Techno-
 logy, Australia*

Frantisek Wald
*Czech Technical University,
 Czech Republic*

Xiangyu Wang
University of Sydney, Australia

Børge Johannes Wigum
*Hönnun Consulting Engineers,
 Iceland*

David P. Wyon
*Technical University of Denmark,
 Denmark*

Timo Wüstholtz
University of Stuttgart, Germany

Darius Zabulionis
*Vilnius Gediminas Technical
 University, Lithuania*

Edmundas Kazimieras Zavadskas
*Vilnius Gediminas Technical
 University, Lithuania*

Ivica Završki
University of Zagreb, Croatia

Wesley C. Zech
Auburn University, USA

Jahid Zeghiche
University of Annaba, Algeria

Abdesselam Zergua
University of Constantine, Algeria

Sabina Zrobek
*University of Warmia and Mazury
 in Olsztyn, Poland*

Antanas Žiliukas
*Kaunas University of Technology,
 Lithuania*