



Profile



Indexation



Guide



Subscription

About

The *International Journal of Applied Mathematics and Computer Science* is a quarterly published jointly by the University of Zielona Góra and the Lubuskie Scientific Society in Zielona Góra, Poland, since 1991. It strives to meet the demand for the presentation of interdisciplinary research in various fields related to control theory, applied mathematics, scientific computing, and computer science.

In particular, *AMCS* publishes original, high-quality full-length research papers in the following areas: *modern control theory and practice; artificial intelligence methods and their applications; applied mathematics and mathematical optimisation techniques; and mathematical methods in engineering, computer science and biology.*

Chief indexing and abstracting services

ACM Digital Library, Applied Mechanics Reviews, Current Mathematical Publications (AMS), DBLP Computer Science Bibliography, EBSCO, Elsevier, Google Scholar, Inspec, Mathematical Reviews (MathSciNet), Proquest, Thomson Reuters, Zentralblatt MATH, *and others.*

Impact Factor

1.227 (2014)
5-Year IF: **1.284** (2014)



Editors

Editor-in-Chief

Józef KORBICZ
University of Zielona Góra, Poland

Deputy Editor

Dariusz UCIŃSKI
University of Zielona Góra, Poland

Associate Editors

Igor AIZENBERG
Texas A&M University-Texarkana, USA

Luis GOMES
New University of Lisbon, Portugal

Nicholas P. KARAMPETAKIS
Aristotle University of Thessaloniki, Greece

Jacek KLUSKA
Rzeszów University of Technology, Poland

Joanna KOŁODZIEJ
Cracow University of Technology, Poland

Marek KURZYŃSKI
Wrocław University of Technology, Poland

James LAM
University of Hong Kong, China

Silvio SIMANI
University of Ferrara, Italy

Board Members

Cherukuri ASWANI KUMAR
VIT University, Vellore, India

Sergei AVDONIN
University of Alaska Fairbanks, USA

Andrzej BARTOSZEWICZ
Technical University of Łódź, Poland

Julio CLEMPNER
National Polytechnic Institute, Mexico City, Mexico

Vincent COCQUEMPOT
Lille 1 University, France

Moritz DIEHL
University of Freiburg, Germany

Editor-in-Chief

Stefan DOMEK
West Pomeranian University of Technology in Szczecin, Poland

Miroslav FIKAR
Slovak University of Technology in Bratislava, Slovakia

Bin JIANG
Nanjing University of Aeronautics and Astronautics, China

Janusz KACPRZYK
Polish Academy of Sciences, Warsaw, Poland

Jerzy KLAMKA
Silesian University of Technology, Gliwice, Poland

Jan M. KOŚCIELNY
Warsaw University of Technology, Poland

Zdzisław KOWALCZUK
Gdańsk University of Technology, Poland

Krzysztof KOZŁOWSKI
Poznań University of Technology, Poland

Miroslav KRSTIC
University of California, San Diego, USA

Mieczysław KUCZMA
Poznań University of Technology, Poland

Vyacheslav MAKSIMOV
Russian Academy of Sciences, Ural Branch, Ekaterinburg, Russia

Krzysztof MALINOWSKI
Warsaw University of Technology, Poland

Wojciech MITKOWSKI
AGH University of Science and Technology, Cracow, Poland

Hans Henrik NIEMANN
Technical University of Denmark, Kgs. Lyngby, Denmark

Stanisław OSOWSKI
Warsaw University of Technology, Poland

Ronald J. PATTON
University of Hull, UK

Witold PEDRYCZ
University of Alberta, Edmonton, Canada

Marios M. POLYCARPOU
University of Cyprus, Nicosia, Cyprus

Vincenç PUIG
Technical University of Catalonia, Barcelona, Spain

Jianbin QIU
Harbin Institute of Technology, China

Ewaryst RAFAJŁOWICZ
Wrocław University of Technology, Poland

Leszek RUTKOWSKI
Technical University of Częstochowa, Poland

Dominique SAUTER
University of Lorraine, Nancy, France

Maria SERON
The University of Newcastle, Australia

Piotr SKRZYPCZYŃSKI
Poznań University of Technology, Poland

Roman SŁOWIŃSKI
Poznań University of Technology, Poland

Mircea-Traian SOFONEA
University of Perpignan, France

Editor-in-Chief

Jan SOKOLOWSKI
University of Lorraine, Nancy, France

Andrzej ŚWIERNIAK
Silesian University of Technology, Gliwice, Poland

Ryszard TADEUSIEWICZ
AGH University of Science and Technology, Cracow, Poland

Yonghong TAN
Shanghai Normal University, China

Piotr TATJEWSKI
Warsaw University of Technology, Poland

Krzysztof TCHON
Wrocław University of Technology, Poland

Didier THEILLIOL
University of Lorraine, Nancy, France

Ewaryst TKACZ
Silesian University of Technology in Gliwice, Poland

Marcin WITCZAK
University of Zielona Góra, Poland

Rongni YANG
Shandong University, Jinan, China

Guisheng ZHAI
Shibaura Institute of Technology, Tokyo, Japan

Changshui ZHANG
Tsinghua University, Beijing, China

Alexey ZHIRABOK
Far Eastern Federal University, Vladivostok, Russia

Enrique ZUAZUA
Basque Center for Applied Mathematics, Bilbao, Spain

Jacek M. ZURADA
University of Louisville, USA

Editorial Office

University of Zielona Góra
Institute of Control &
Computation Engineering
ul. prof. Z. Szafrana 2
65-516 Zielona Góra
Poland
tel.: +48 683282506
fax: +48 683284751
e-mail: amcs@uz.zgora.pl
website: www.amcs.uz.zgora.pl

Agnieszka ROŻEWSKA
Manager

Agata WIŚNIEWSKA-KUBICKA
Technical Editor

Requirements in brief

Our basic rules include electronic paper submission and processing, the LaTeX format following a special *AMCS* style, a license to publish, and page charges.

Paper submission

Paper proposals may be submitted only through our on-line submission system. If suitable for our journal, the papers will be subject to a full review procedure, and a decision on whether or not to accept the paper will be made based on the reviewers' comments.

Paper style

The style of papers to be published in *AMCS* is determined by a special LaTeX class, which is described in detail in our instructions for authors. No other formats are accepted.

License to publish

Currently, all authors must sign the license to publish upon paper acceptance. The license governs in detail the commercial and non-commercial use of papers published by our journal, and determines user and author rights.

Page charge

As of 2015, authors are expected to pay page charges, which cover the costs of the publishing process and will be invoiced upon paper acceptance.

Provisions

One sample copy of the journal and the electronic version of the paper are provided for authors once the issue has been published.

Details, submission and downloads

The complete guide for authors can be found on our website at www.amcs.uz.zgora.pl.

Present your research with us!

www.amcs.uz.zgora.pl

© University of Zielona Góra & Lubuskie Scientific Society. Some rights reserved. Contents available for non-commercial use under the Creative Commons Attribution-NonCommercial-NoDerivs 3.0 (CC BY-NC-ND 3.0) license. Printed in 150 copies. Primary version: print.

Our subscription is annual and covers four printed issues.

2016 Rates

Domestic

Individuals & scientific institutions: 180 PLN
Other customers: 480 PLN

Foreign

Individuals: 120 EUR
Institutions: 200 EUR

Prices exclusive of VAT. Postage free for standard delivery.

Payment methods

We accept bank transfers and off-line credit card payments.

Orders

Please contact the Editorial Office for subscription orders.



Specials

Recent special issues and sections

2015, Vol. 25, No. 3: Special section
AGENTS IN INTELLIGENT COMPUTING AND SIMULATION SYSTEMS
Editors: Aleksander BYRSKI, Marek KISIEL-DOROHINICKI, Grzegorz DOBROWOLSKI
Authors: T.P. Pham *et al.*, P. Pilotti *et al.*, B. Śnieżyński, M. Smółka *et al.*, R. Nogueras and C. Cotta, B. Veloso *et al.*

2015, Vol. 25, No. 1: Special issue
SAFETY, FAULT DIAGNOSIS AND FAULT TOLERANT CONTROL
IN AEROSPACE SYSTEMS
Editors: Silvio SIMANI, Paolo CASTALDI
Authors: D. Rotondo *et al.*, G. Hardier *et al.*, G. Franzè *et al.*, D. Ossmann and A. Varga, L.H. Rodriguez-Alfaro *et al.*, V.Y. Glizer and V. Turetsky, M.T. Hamayun *et al.*, B. Hu and P. Seiler, T. Péni *et al.*, X. Yang and J.M. Maciejowski, M. Ariola *et al.*, Z. Cen *et al.*, C. Wu *et al.*, G.J.J. Ducard

2014, Vol. 24, No. 3: Special section
MODELLING AND SIMULATION OF HIGH PERFORMANCE
INFORMATION SYSTEMS
Editors: Pavel ABAEV, Rostislav RAZUMCHIK, Joanna KOŁODZIEJ
Authors: A Mészáros *et al.*, I. Atencia, C. Kim *et al.*, A. Zeifman *et al.*, Y. Gaidamaka *et al.*, J. Zhao *et al.*, R. Dębski

2014, Vol. 24, No. 2: Special section
SIGNALS AND SYSTEMS
Editors: Ryszard MAKOWSKI, Jan ZARZYCKI
Authors: R. Zdunek, B. Garda and Z. Galias, R. Makowski and R. Hossa, P. Bilski and J. Wojciechowski, A. Putka, A. Fabijańska *et al.*