

Editor-in-Chief

Józef KORBICZ
University of Zielona Góra,
Institute of Control and Computation Engineering,
Poland, e-mail: J.Korbicz@issi.uz.zgora.pl

Scientific Secretary

Dariusz UCIŃSKI
University of Zielona Góra,
Institute of Control and Computation Engineering,
Poland, e-mail: D.Ucinski@issi.uz.zgora.pl

Associate Editors

Marian ADAMSKI
University of Zielona Góra, Poland

Robert BABUŠKA
Delft University of Technology,
The Netherlands

Stanisław BAŃKA
Technical University of Szczecin, Poland

Mikołaj BUSŁOWICZ
Technical University of Białystok, Poland

Michael A. DEMETRIOU
Worcester Polytechnic Institute, USA

Andras EDELMAYER
Hungarian Academy of Sciences,
Budapest, Hungary

Abdelhaq EL JAI
University of Perpignan, France

Michel FLIESS
Centre for Mathematics and its
Applications, Cachan, France

Krzysztof GAŁKOWSKI
University of Zielona Góra, Poland

Adam GRZECH
Wrocław University of Technology, Poland

Janusz KACPRZYK
Polish Academy of Sciences, Warsaw, Poland

Jerzy KLAMKA
Silesian University of Technology,
Gliwice, Poland

Witold KOŚCIŃSKI
Polish-Japanese Institute of Information
Technology, Warsaw, Poland

Jan M. KOŚCIELNY
Warsaw University of Technology, Poland

Adam KOWALEWSKI
University of Mining and Metallurgy, AGH,
Cracow, Poland

Zdzisław KOWALCZUK
Gdańsk University of Technology, Poland

Krzysztof KOZŁOWSKI
Poznań University of Technology, Poland

Anton KUMMERT
University of Wuppertal, Germany

Marek KURZYŃSKI
Wrocław University of Technology, Poland

James LAM
University of Hong Kong, China

Irena LASIECKA
University of Virginia, Charlottesville, USA

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

Krzysztof MALINOWSKI
Warsaw University of Technology, Poland

Wojciech MITKOWSKI
University of Mining and Metallurgy, AGH,
Cracow, Poland

Henk NIJMEIJER
Eindhoven University of Technology,
The Netherlands

Wilém NOVÁK
University of Ostrava, Czech Republic

Stanisław OSOWSKI
Warsaw University of Technology, Poland

Thomas PARISINI
University of Trieste, Italy

Ronald J. PATTON
University of Hull, UK

Witold PEDRYCZ
University of Alberta, Edmonton, Canada

Marios POLYCARPOU
University of Cyprus, Nicosia, Cyprus

Ewaryst RAFAJŁOWICZ
Wrocław University of Technology, Poland

Fred W. RAMIREZ
University of Colorado, Boulder, USA

Eric ROGERS
University of Southampton, UK

Leszek RUTKOWSKI
Technical University of Częstochowa, Poland

Jose SÁ da COSTA
Technical University of Lisbon, Portugal

Alexey E. SHUMSKY
Pacific State Economic University
Vladivostok, Russia

Roman SŁOWIŃSKI
Poznań University of Technology, Poland

Piotr SMOLARKIEWICZ
National Center for Atmospheric Research,
Boulder, Colorado, USA

Jan SOKOŁOWSKI
University of Nancy, Vandoeuvre, France

Tomasz SZMUC
University of Mining and Metallurgy, AGH,
Cracow, Poland

Andrzej ŚWIERNIAK
Silesian University of Technology,
Gliwice, Poland

Ryszard TADEUSIEWICZ
University of Mining and Metallurgy, AGH,
Cracow, Poland

Yonghong TAN
Guilin University of Electronic Technology,
China

Krzysztof TCHOŃ
Wrocław University of Technology, Poland

Enrique ZUAZUA
University Autonomous of Madrid, Spain

Jacek M. ZURADA
University of Louisville, KY, USA

Frequency: Published four issues per year; two regular and two special issues prepared by invited editor(s).

Subscription: Annual Institutional Subscription Rate 2005: Europe € 180.00. All other countries € 200.00. Prices include postage and are subject to change without notice. Subscriptions are accepted on a prepaid basis only and are entered on a calendar year basis. Issues are sent by standard mail (surface within Europe, and air delivery outside Europe).

To subscribe, send a cheque payable to the University of Zielona Góra or make a payment by a bank transfer to Kredyt Bank S.A., Zielona Góra, Poland, account No. (IBAN): 46150018101218100386550000, SWIFT-Adr. (BIC): KRDBPLPW (Postscript: *AMCS'2005* subscription).

Internet: The *International Journal of Applied Mathematics and Computer Science* is currently available on-line. Author's Kit, Scope & Profile, Subscription Notes, Editorial Information and Summaries of recent issues can be found at: <http://www.issi.uz.zgora.pl/amcs>

Publishing and Editorial Office: University of Zielona Góra, Int. J. of Applied Mathematics and Computer Science,
ul. Podgórna 50, 65–246 Zielona Góra, Poland

E-mail: amcs@issi.uz.zgora.pl

Fax: (+48 68) 324 72 95

Tel.: (+48 68) 328 25 06

Copyright ©University of Zielona Góra, Poland. All rights reserved.

Copyright ©Lubuskie Scientific Society in Zielona Góra. All rights reserved.

Information for Authors

Types of contribution. Research articles, review papers and book reviews.

Submission by the Internet (*recommended*). Submitting the paper using the Internet considerably speeds up the submission procedure. Only *Postscript* or *PDF* files that are ready to be printed can be accepted. Go to our website

<http://www.issi.uz.zgora.pl/amcs>

select *Submit now* and follow the instructions.

Submission by regular mail (*in exceptional cases*). Send three copies of the manuscript in English, each copy complete with illustrations. Enclose the cover letter that says to whom correspondence should be addressed, including full contact details, fax and e-mail address of the corresponding author. Mail your manuscripts to the Editor-in-Chief:

Prof. Józef Korbicz

Int. J. Applied Mathematics and Computer Science

University of Zielona Góra

Institute of Control and Computation Engineering

ul. Podgórna 50, 65-246 Zielona Góra, Poland

Phone: (+48 68) 328 24 22 or 324 72 95

Fax: (+48 68) 324 72 95

E-mail: amcs@issi.uz.zgora.pl

Review process. All manuscripts are sent to at least two independent reviewers to ensure both accuracy and relevance to the journal. The final decision on acceptance will be made by the Editor-in-Chief.

Text. Typewrite with double space and use one side of sheet only. Good office-duplicated copies are acceptable. Headings and subheadings for different sections of the paper should be clearly indicated and numbered using Arabic numerals. The title page should include the name and affiliation of each author, and a full correspondence address, including fax and e-mail, for the contact author. Provide an informative 100- to 250-words abstract at the head of the manuscript, and 5-7 keywords.

References. All publications cited in the text should be included in the list of references following the text of the manuscript. In the text please refer to the author's name and year of publication, e.g. (Pandolfi, 1998; 1999). Up to two authors can be mentioned in text references, e.g. (Burns and King, 1995; Rosenblum and Rovnyak, 1985); more than two authors should be shortened to the first author's name with *et al.*, e.g. (Banks *et al.*, 2000). References should be listed alphabetically at the end of the manuscript and should conform to the examples below.

Journals: Banks H.T., del Rosario R.C.H. and Smith R.C. (2000): *Reduced order model feedback control design: Numerical implementation in a thin shell model*. — IEEE Trans. Automat. Contr., Vol. 45, No. 7, pp. 1312-1324.

Pandolfi L. (1998): *Dissipativity and Lur'e problem for parabolic boundary control systems*. — SIAM J. Contr. Optim., Vol. 36, No. 6, pp. 2061-2081.

Books: Burns J.A. and King B.B. (1995): *Representation of feedback operators for hyperbolic systems*, In: *Computation and Control IV* (K.L. Bowers and J. Lund, Eds.). — Boston: Birkhäuser, pp. 57-74.

Rosenblum M. and Rovnyak J. (1985): *Hardy Classes and Operator Theory*. — New York: Oxford U.P.

Proceedings: Pandolfi L. (1999): *Recent results on the Kalman-Popov-Yakubovich problem*. — Proc. Int. Conf. *Mathematics and its Applications*, Yogyakarta, Indonesia, pp. 47-60.

Illustrations. All illustrations are to be referred to as figures. They should be submitted on separate sheets in a form suitable for reproduction. To facilitate identification and processing, on the back of each figure the number, the name of the first author, and the orientation of the figure should be indicated.

Electronic publishing. In order to accelerate editing and printing, the authors of the accepted manuscript will be required to provide its final version on a computer MS-DOS formatted disk along with one paper copy or by the Internet (source file). Most word processing formats are accepted but \LaTeX is preferred.

Voluntary page charge. Papers selected for publication in the *Int. J. AMCS* are subject to a voluntary *Page Charge*, which will be invoiced through the author to the author's company, institution, or agency. Publication is not dependent on the payment of the voluntary *Page Charge*. 15 reprints and one sample copy of the journal are provided when the paper is published. Additional reprints and journal copies can be ordered from the Editorial Office.