

**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

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

Paul M. FRANK  
University of Duisburg, Germany

Toshio FUKUDA  
Nagoya University, Japan

Krzysztof GAŁKOWSKI  
University of Zielona Góra, Poland

Adam GRZECH  
Wrocław University of Technology, Poland

Janusz KACPRZYK  
Polish Academy of Sciences,  
Warsaw, Poland

Michał KISIELEWICZ  
University of Zielona Góra, Poland

Jerzy KLAMKA  
Silesian University of Technology,  
Gliwice, Poland

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

Jan M. KOŚCIELNY  
Warsaw University of Technology, Poland

Zdzisław KOWALCZUK  
Gdańsk University of Technology, Poland

Krzysztof KOZŁOWSKI  
Poznań University of Technology, Poland

Arkadii KRYAZHIMSKII  
Russian Academy of Sciences, Moscow, Russia

Anton KUMMERT  
University of Wuppertal, Germany

James LAM  
University of Hong Kong, China

Irena LASIECKA  
University of Virginia, Charlottesville, U.S.A.

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

Krzysztof MALINOWSKI  
Warsaw University of Technology, Poland

Teodor MARCU  
University of Duisburg, Germany

Wojciech MITKOWSKI  
University of Mining and Metallurgy,  
Cracow, Poland

Henk NIJMEIJER  
Eindhoven University of Technology,  
The Netherlands

Thomas PARISINI  
University of Trieste, Italy

Ronald J. PATTON  
University of Hull, U.K.

Witold PEDRYCZ  
University of Alberta, Edmonton, Canada

Seppo POHJOLAINEN  
Tampere University of Technology, Finland

Marios POLYCARPOU  
University of Cyprus, Nicosia, Cyprus

Ewaryst RAFAJŁOWICZ  
Wrocław University of Technology, Poland

Fred W. RAMIREZ  
University of Colorado, Boulder, U.S.A.

Eric ROGERS  
University of Southampton, U.K.

Leszek RUTKOWSKI  
Technical University of Częstochowa, Poland

Jose SÁ da COSTA  
Technical University of Lisbon, Portugal

Roman SŁOWIŃSKI  
Poznań University of Technology, Poland

Piotr SMOLARKIEWICZ  
National Center for Atmospheric Research,  
Boulder, Colorado, U.S.A.

Jan SOKOŁOWSKI  
University of Nancy, Vandoeuvre, France

Tomasz SZMUC  
University of Mining and Metallurgy,  
Cracow, Poland

Andrzej ŚWIERNIAK  
Silesian University of Technology,  
Gliwice, Poland

Ryszard TADEUSIEWICZ  
University of Mining and Metallurgy,  
Cracow, Poland

Yonghong TAN  
Guilian University of Electronic Technology,  
China

Krzysztof TCHOŃ  
Wrocław University of Technology, Poland

Joseph J. WINKIN  
University of Notre-Dame  
de la Paix, Namur, Belgium

Xinghuo YU  
RMIT University, Melbourne, Australia

Jacek M. ZURADA  
University of Louisville, KY, U.S.A.

---

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

**Subscription:** Annual Institutional Subscription Rate 2004: Europe US \$ 180.00. All other countries US \$ 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'2004* 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](mailto:amcs@issi.uz.zgora.pl)

Fax: (+48 68) 324 72 95

Tel.: (+48 68) 32 82 506

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 L<sup>A</sup>T<sub>E</sub>X 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.