

**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, PolandRobert BABUŠKA  
Delft University of Technology,  
The NetherlandsStanisław BAŃKA  
Technical University of Szczecin, PolandPierre BORNE  
Ecole Centrale de Lille, Villeneuve, FranceAbdelhaq EL JAI  
University of Perpignan, FranceMichel FLIESS  
Centre des Mathématiques et de Leurs  
Applications, Cachan, FrancePaul M. FRANK  
University of Duisburg, GermanyToshio FUKUDA  
Nagoya University, JapanKrzysztof GAŁKOWSKI  
University of Zielona Góra, PolandAdam GRZECH  
Wrocław University of Technology, PolandJanusz KACPRZYK  
Polish Academy of Sciences,  
Warszawa, PolandMichał KISIELEWICZ  
University of Zielona Góra, PolandJerzy KLAMKA  
Silesian University of Technology,  
Gliwice, PolandWitold KOŚCIŃSKI  
Polish-Japanese Institute of Information  
Technology, Warszawa, PolandJan M. KOŚCIELNY  
Warsaw University of Technology, PolandZdzisław KOWALCZUK  
Gdańsk University of Technology, PolandKrzysztof KOZŁOWSKI  
Poznań University of Technology, PolandArkadii KRYAZHIMSKII  
Russian Academy of Sciences, Moscow, RussiaAnton KUMMERT  
University of Wuppertal, GermanyJames LAM  
University of Hong Kong, Hong KongIrena LASIECKA  
University of Virginia, Charlottesville, U.S.A.Krzysztof MALINOWSKI  
Warsaw University of Technology, PolandVyacheslav MAKSIMOV  
Russian Academy of Sciences,  
Ural Branch, Ekaterinburg, RussiaTeodor MARCU  
University of Duisburg, GermanyWojciech MITKOWSKI  
University of Mining and Metallurgy,  
Kraków, PolandHenk NIJMEIJER  
Eindhoven University of Technology,  
The NetherlandsThomas PARISINI  
University of Trieste, ItalyRonald J. PATTON  
University of Hull, U.K.Witold PEDRYCZ  
University of Alberta, Edmonton, CanadaSeppo POHJOLAINEN  
Tampere University of Technology, FinlandMarios POLYCARPOU  
University of Cincinnati, U.S.A.Ewaryst RAFAJŁOWICZ  
Wrocław University of Technology, PolandFred W. RAMIREZ  
University of Colorado, Boulder, U.S.A.Eric ROGERS  
University of Southampton, UKLeszek RUTKOWSKI  
Technical University of Częstochowa, PolandJose SÁ da COSTA  
Technical University of Lisbon, PortugalRoman SŁOWIŃSKI  
Poznań University of Technology, PolandPiotr SMOLARKIEWICZ  
National Center for Atmospheric Research,  
Boulder, Colorado, U.S.A.Jan SOKOŁOWSKI  
University of Nancy, Vandoeuvre, FranceTomasz SZMUC  
University of Mining and Metallurgy,  
Kraków, PolandAndrzej ŚWIERNIAK  
Silesian University of Technology,  
Gliwice, PolandRyszard TADEUSIEWICZ  
University of Mining and Metallurgy,  
Kraków, PolandKrzysztof TCHOŃ  
Wrocław University of Technology, PolandJoseph J. WINKIN  
Facultés Universitaires Notre-Dame  
de la Paix, Namur, BelgiumXinghuo YU  
Central Queensland University, Australia

---

**Frequency:** Published 4 issues per year; two regular and two special issues prepared by invited editor(s).**Subscription:** Annual Institutional Subscription Rate 2002: 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 bank transfer to Kredyt Bank S.A., Zielona Góra, Poland, account No. 15001810-121810038655 (Postscript: AMCS'2002 subscription).**Internet:** *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, PolandE-mail: [amcs@issi.uz.zgora.pl](mailto:amcs@issi.uz.zgora.pl)

Fax: (+48 68) 325-46-15

Tel.: (+48 68) 32-82-506

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

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

## Information for Authors

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

**Submission by Internet.** Submitting the paper by Internet considerably speeds up the submission procedure. Only *Post-script* 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 ordinary mail.** Send three copies of the manuscript in English, each copy complete with illustrations. Enclose the cover letter that includes 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 Mathematic and Computer Science*

*University of Zielona Góra*

*Institute of Control and Computation Engineering*

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

*Phone: (+48 68) 32-82-422 or 32-47-295*

*Fax: (+48 68) 325-46-15*

*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 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 in Arabic numerals. The title page should include each author's name and affiliation, 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 moreover max. 5-7 keywords.

**References.** All publication cited in the text should be present in a list of references following the text of the manuscript. In the text 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 first author's name, 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 Internet (source file). Most word processing formats are accepted but  $\text{\LaTeX}$  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 are and one sample copy of the journal provided when the paper has been published. Additional reprints and journal copies can be ordered from the Editorial Office.