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## EFFICIENT RESOURCE MANAGEMENT FOR GRID-ENABLED APPLICATIONS

Editors

Joanna KOŁODZIEJ
Fatos XHAFA

University of Zielona Góra Press, Poland

# Profile

## 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 high quality original research results in the following areas:
*modern control theory and practice*
*artificial intelligence methods and their applications*
*applied mathematics and mathematical optimisation techniques*
*mathematical methods in engineering, computer science, and biology.*

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*Authors:* A.Bădică, J. Baumeister, J. Cañadas, I. Czarnowski, A. Kozierkiewicz-Hetmańska, A. Meissner

2010, Vol. 20, No. 1: Special section
COMPUTATIONAL INTELLIGENCE IN MODERN CONTROL SYSTEMS
*Editors:* Józef KORBICZ,Dariusz UCIŃSKI
*Authors:* M. Ławryńczuk, K. Patan, G.J. Nalepa, R.K. Nowicki, D. Belter

2009, Vol. 19, No. 4: Special section
ROBOT CONTROL THEORY
*Editor:* Cezary ZIELIŃSKI
*Authors:* K. Tchoń, M. Michałek, A. Mazur, P. Skrzypczyński

2009, Vol. 19, No. 3: Special issue
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*Editors:* Andreas RAUH, Ekaterina AUER, Eberhard P. HOFER, Wolfram LUTHER
*Authors:* B. G.-Tóth, A. Rauh, J.-P. Merlet, R. Pepy, N. Dimitrova, E. Auer, M. Tändl, M. Freihold, J.A. Enszer

2008, Vol. 18, No. 4: Special issue
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*Authors:* A. Ligęza, Y. Tharrault, K. Patan, E. Skubalska-Rafajłowicz, A.A. Yassine, M. Patan, C. Cempel, N.K. Poulsen, D. Theilliol, Z. Kowalczuk, C. Aubrun, P.M. Marusak, M. Laursen, E. Rafajłowicz, W. Cholewa

2008, Vol. 18, No. 3: Special issue
SELECTED PROBLEMS OF COMPUTER SCIENCE AND CONTROL
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# AIMS & SCOPE

The *International Journal of Applied Mathematics and Computer Science* 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, it publishes high quality original research results in the following areas:

- modern control theory and practice
- artificial intelligence methods and their applications
- applied mathematics and mathematical optimisation techniques
- mathematical methods in engineering, computer science, and biology.

We are primarily interested in presenting theoretical and application-oriented papers dealing with the following topics:

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- control theory, including optimal control, system identification, adaptive and robust control, multivariable control, and non-linear systems
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- signal processing
- applications in engineering and medicine.

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