

Aims and Scope

The aim of the International Journal of *Applied Mathematics and Computer Science* (AMCS) is to publish original research results in various areas related to computer science and mathematics. The scope of topics covered by AMCS is extensive and includes the following:

- *Control systems*: optimal control, distributed parameter systems, system identification, adaptive and robust control, non-linear systems, multi-dimensional systems.
- *Mathematical and numerical modelling*: ordinary and partial differential equations, numerical algorithms, simulation, applications.
- *Artificial intelligence*: artificial neural networks, fuzzy and expert systems, rough sets theory, evolutionary and genetic algorithms, search methods, cellular automata, soft computing, applications.
- *Knowledge processing*: knowledge mining and acquisition, knowledge representation, expert systems, data mining, data basis, applications.
- *Fault detection, fault analysis and diagnostics*: model-based systems, soft computing techniques, pattern recognition, state and parameter estimation, signal processing, applications.
- *Optimization*: mathematical optimization techniques, global optimization, evolutionary and genetic algorithms.
- *Robotics*: modelling and simulation, optimal control, controllability, parameter and state estimation, optimal trajectory planning, singularities.

The editors welcome proposals for exchange between similar journals. Also, all persons interested in bringing out special issues of AMCS are encouraged to contact the Editor-in-Chief. Such issues may be published on any important and timely subject within the scope of the Journal.

The publication of AMCS is financially supported by the Ministry of Science and Higher Education in Poland and the University of Zielona Góra.

For more information, visit our website at www.amcs.uz.zgora.pl.