

Aims and Scope

INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS AND COMPUTER SCIENCE (AMCS) strives to meet the demand for presentation of interdisciplinary research concerned with applications of mathematical methods to computer science and engineering. The AMCS publishes high quality original research results in the following areas:

- mathematical methods in computer science and engineering,
- modern control theory and applications,
- artificial intelligence methods and their applications,
- applied mathematics and mathematical optimization approaches.

The scope of the journal is extensive. Topics include:

- **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.
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- **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.

International Journal of Applied Mathematics and Computer Science is issued quarterly. It is indexed by *Zentralblatt MATH*, *Mathematics Abstracts*, *Mathematical Reviews*, *Current Mathematical Publications*, *MathSciNet*, *INSPEC*, and *Applied Mechanics Reviews*.

Financial support: This journal is supported by State Committee for Scientific Research in Poland.

International Journal of Applied Mathematics and Computer Science is published jointly by University of Zielona Góra and Lubusky Scientific Society in Zielona Góra, Poland.