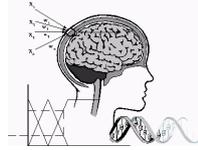




# International

*Innovation in Knowledge Based and Intelligent  
Engineering Systems*



## INVITED SESSION SUMMARY

**Title of Session:**

New Generation Computing in Engineering, Life Science and Economy

**Name, Title and Affiliation of Chair:**

Prof. Piotr Nikończuk, West Pomeranian University of Technology, Szczecin,  
Prof. Norbert Chamier-Gliszczyński, Koszalin University of Technology,  
Dr. Roma Strulak-Wójcikiewicz, Maritime University of Szczecin,  
Dr. Agnieszka Deja, Maritime University of Szczecin,  
PhD Cand. Norbert Lech, West Pomeranian University of Technology, Szczecin

**Details of Session (including aim and scope):**

This session will focus on applications of modern computing methods in Engineering, Life Science and Economy. Modern computing methods are understood as modelling, simulations and decision making using computing methods like fuzzy logic, neural networks, genetic algorithms, cloud computing, etc.

The topics of interest include but are not limited to:

1. Expert and Decision Making Systems,
2. Optimization Systems,
3. Self Learning and Modelling Systems,
4. Data Analysis Systems,
5. Big Data Analysis Systems,
6. Industry 4.0 and Industry 5.0.

The authors are invited to share their knowledge and experience in above topics.

**Main Contributing Researchers / Research Centres (tentative, if known at this stage):**

West Pomeranian University of Technology, Szczecin Poland  
Maritime University of Szczecin, Poland  
Koszalin University of Technology, Poland  
Oulu University of Applied Sciences, Finland  
Uppsala University, Sweden  
Blekinge Institute of Technology, Sweden

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