

INVITED SESSION SUMMARY**Title of Session: Multi-Criteria Decision-Analysis methods – theory and their applications****Name, Title and Affiliation of Chair:****1. Wojciech Sałabun**

Department of Artificial Intelligence method and Applied Mathematics in the Faculty of Computer Science and Information Technology, West Pomeranian University of Technology in Szczecin, Żołnierska 49, 71-210, Poland

Details of Session (including aim and scope):

The main goal of the session is to attract researchers from all over the world who will present their theoretical and applied contributions in the area of (is not limited) to the following topics:

- Advances in MCDM Theory
- MCDA application in sustainability problems
- AHP, ANP
- Behavioral Issues in Decision Making
- Compromise Programming
- Computing and Software for MCDM
- Data Envelopment Analysis
- Environmental Decision Making
- Evolutionary Algorithms and MCDM
- Fuzzy Multiple Criteria Decision Making
- Goal Programming
- Group Decision Making, Negotiations
- Multiattribute Utility or Value Theory
- Multiobjective Optimization
- Multiple Criteria Classification, Ranking, and Sorting
- Multiple Criteria Decision Aiding
- Multiple Objective Combinatorial Optimization
- Multiple Objective Metaheuristics
- New Approaches and Decision Support Systems
- New Areas where MCDM is Applied Outranking Methods
- Practical applications of MCDM
- Preference Modelling Risk and Uncertainty
- Teaching MCDM

Main Contributing Researchers / Research Centres (tentative, if known at this stage):**Website URL of Call for Papers (if any):****Email & Contact Details:**wojciech.salabun@zut.edu.plwsalabun@wi.zut.edu.pl