

**5th Symposium on Analysis and Decision-Making
in Complex and Uncertain Systems**

Chairs:

Prof. Jerzy Józefczyk, Wrocław University of Science and Technology, Poland
Prof. Alexander Lavrov, HS Kaiserslautern – University of Applied Sciences, Germany

Software Engineering for Simulation of Manufacturing and Logistics Systems

Alexander Lavrov, HS Kaiserslautern – University of Applied Sciences, Germany

**Simulation-Based Validation of Energy Consumption Peaks Avoiding Strategies
in Automated Warehouse Systems**

Michael Schaub, University of Applied Sciences Kaiserslautern, Germany

**Parametric control of the world economy based on a hybrid multi-country
econometric model**

Abdykappar A. Ashimov, Yuriy V. Borovskiy, Dauren Aidarkhanov, Kazakh National Research
Technical University named after K.I. Satpayev, Almaty City, Kazakhstan

Selected examples of systemic thinking in decision-making

Jerzy Józefczyk, Wrocław University of Science and Technology, Wrocław, Poland

Multilayer Perceptron for Hepatitis Diagnosis using Weka Tool

Atika Malik Hussein, Faculty of Computer Science & Information Technology, Sudan
University of Science and Technology, Sudan
Johnson Ihieh Agbinya, School of Information Technologies and Engineering, Melbourne
Institute of Technology, Australia

**Development of Wireless Sensor Network for Water Quality Measurement
and Monitoring in African Countries**

Atika Malik Hussein, Faculty of Computer Science & Information Technology, Sudan
University of Science & Technology, Sudan
Johnson Ihieh Agbinya, School of Information Technology and Engineering, Melbourne
Institute of Technology, Australia

LUNCH BREAK 12:00 – 14:00

A Survey Of Small Cryptographic Algorithm For IoT

Nahla F. Osman, Faculty of Computer Science, King Khalid University, Abha, Saudi Arabia
Johnson Ihieh Agbinya, School of Information Technology and Engineering,
Melbourne Institute of Technology, Australia

Secure 6LOWPAN Network for Smart Buildings

Wiam A Elyass Elmalih, College of Computer Sciences and Information Technology,
Khartoum, Sudan
Johnson Ihieh Agbinya, School of Information and Engineering, Melbourne Institute of
Technology, Australia

Tuesday, August 1, 2017

09:00 – 17:00

Hall F

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(cont'd)

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Prof. Alexander Lavrov, HS Kaiserslautern – University of Applied Sciences, Germany

**Investigation of the Biometric Radio Frequency Signal Response and Recognition
of Human Ear**

Shaza Abuelgasim, ¹Faculty of Computer Science & Information Technology,
Sudan University of Science & Technology, Khartoum, Sudan
Johnson Ihieh Agbinya, School of Information and Engineering, Melbourne Institute of
Technology, Australia

Models and Design of Cooperative Relaying in Inductive Communication Systems

Johnson Ihieh Agbinya, School of Information and Engineering, Melbourne Institute of
Technology, Australia
Nagi F Ali Mohammed College of Engineering (Houn), Hun, Libya
Khalid Aboura, Department of Quantitative Methods, College of Business Administration,
Dammam University, Dammam, Saudi Arabia

Study of Conical Coil Transmitters in Near-Field Communications

Nagi F. Ali Mohamed, Department of Electrical Engineering, College of Engineering
Technology, Houn, Libya
Johnson Ihieh Agbinya, School of Information and Engineering, Melbourne Institute of
Technology, Australia
Khalid Aboura, University of Dammam, College of Business Administration,
Dammam, Saudi Arabia

**Modelling of Angular Inter-Beam Handover in Fifth Generation Mobile Communication
Networks**

Wahabi Abdellah Elamin, Faculty of Computer Science, Sudan University for Science &
Technology, Sudan
Johnson Ihieh Agbinya, School of Information and Engineering, Melbourne Institute of
Technology, Australia

Tuesday, August 1, 2017

19:00 – 20:30

Old City Hall of Baden-Baden

FESTIVE IIAS RECEPTION

**Hosted by the Right Honorable Mayor of Baden-Baden
ALL CONFERENCE PARTICIPANTS AND THEIR COMPANIONS
ARE CORDIALLY INVITED**