Thursday, December 1st, 2016

08:00  Registration with Coffee, Tea, etc.

09:00 – 09:30  Welcome address by the President of Otto-von-Guericke-University Magdeburg, Prof. Jens Strackeljan, Prof. Keiichi Watanuki and Prof. Karl - H. Grote,

09:30 – 10:00  Key-Note Paper: A Simulative Approach for the Development of Innovative Friction Welding Process Designs
David Schmicker, Sven Jüttner, Jens Strackeljan
(Otto-von-Guericke-University Magdeburg)

10:00 – 10:30  Coffee - Break

10:30 – 12:00  Workshop: Engineering Design
Karl - H. Grote (Otto-von-Guericke-University Magdeburg) and Small and Medium Water Power Generators
Mario Spiewack (EXFA)

12:00 – 13:00  Lunch at Experimental Factory

13:00 – 16:30  Presentations
Chair: (Karl - H. Grote, Otto-von-Guericke-University Magdeburg)

13:00 – 13:45  Key-Note Paper: Crossover Open Innovation for Healthcare Research and Development Based on Industrial - Academic - Government Cooperation
Keiichi Watanuki (Saitama University)

13:45 – 14:15  Process Optimization in Test Field Operations
Marc Claus Schmitt (BMW Group), Karl - H. Grote
(Otto-von-Guericke-University Magdeburg)
14:15 – 14:45  Disassembly Device for Miniaturized X-ray Tubes, Automatic and Nondestructiveremoval of Steel and Ceramic Hard Solder Connections
Robert Odenbach, Danny Wulff, Fabian Klink, Karl - H. Grote, Michael H. Friebe (Otto-von-Guericke-University Magdeburg)

14:45 – 15:15  Coffee Break

15:15 – 16:00  Key-Note Paper: Surgical Modelling of the Human Ear by Rapid Prototyping (workflow and material properties)
Ulrich Vorwerk , Cornelia Hahne, Michael Scheffer, Fabian Klink, and Karl - H. Grote (Otto-von-Guericke-University Magdeburg)

16:00 – 16:30  From the Classroom to the Job Office: A Review on 3D Modelling and the Finite Element Method Analysis Teaching and Learning Method
Hassan Momeni, Saeed Bikass (Bergen University College)

16:30 – 17:00  Presentation: Japanese Drums by Taiko Group, Magdeburg

18:00 – 21:00  Dinner at Restaurant “Ratswaagehotel”

Friday, December 2nd , 2016

08:00  Registration with Coffee, Tea etc.

09:00 – 14:30  Presentations
(Chair: Keiichi Watanuki, Saitama University, Naoe Sasaki, Nihon University, Kohei Nakashima, Meijo University)

09:00 – 09:30  Engineering Education for LOHAS in Nihon University
Naoe Sasaki, Saburo Tanaka, Kosuke Ito, Tomoyoshi Urabe (Nihon University)

09:30 – 10:00  Development of Elementary School Student-Oriented Educational Materials about the Fukushima Daiichi Nuclear Power Plant Accident and Cesium-137 – Creating “Cesium-kun, the Invisible Boy” Panel Theater – Motoko Tanabe (Kanagawa Institute of Technology), Hiroko Ito (Wako Elementary School), Yoshiko Kaga (Miharashidaigakuen University), Souichi Kato (Nagoya University of Arts), Tomoaki Sato, Kazuhiro Mitsui (Kanagawa Institute of Technology)

10:00 – 10:30  Financial Controlling of Private Solar Power Investments
Andreas Welling (Otto-von-Guericke-University Magdeburg)

10:30 – 11:00  Coffee Break
11:00 – 11:30 Engineering Students’ Overseas Training to Develop Engineers Who Work Abroad
Kohei Nakashima, Hirotaka Ogawa, Nozomu Kanno (Meijo University)

11:30 – 12:00 Development of Energy Consumption Measurement System Using Wireless Communication Modules as Teaching Tool
Koji Ogikubo, Takumi Zaima (Saitama University), Akihiro Kanazawa (Junior High School Attached to Yamagata University), Toshikazu Yamamoto (Saitama University)

12:00 – 13:00 Lunch at Experimental Factory Magdeburg

13:00 – 13:30 Using Small-Scale Robots to Nurture a Caring Mindset in Young Children
Tomoaki Sato, Motoko Tanabe (Kanagawa Institute of Technology), Nichika Sato (Nakanihon Air Service), and Takafumi Ejima (Kanagawa Institute of Technology)

13:30 – 14:00 Important Parameters for Self-tapping Screw Connections
Andreas Meyer-Eschenbach, Sebastian Allermann (Hamburg University of Applied Sciences)

14:00 – 14:30 Application of CAD/CAE Systems in Design of Tidal Turbines
Mariusz Domagala (Cracow University of Technology), Hassan Momeni (Bergen University College)

14:30 – 15:00 Coffee Break

16:00 – 18:00 Visit of the Demenz Center at the Otto-von-Guericke-University Magdeburg, Medical Faculty
(Transportation back and forth with the Street Car)

Saturday, December 3rd, 2016

09:45 Meet in Lobby of Ratswaage Hotel and to go to with “Cultural History Museum”

10:30 – 12:00 Guided Tour of the Museum “History of the city of Magdeburg”

12:00 – 13:00 Lunch at Café „Alt Magdeburg“

14:00 – 15:00 Guided Tour of the Magdeburg Cathedral (1250 Years Old)