



Resource Optimization in Modern Industrial Engineering Environment

IFM²E 2016

16–17 of November | JAMK Dynamo campus | Piippukatu 2, Jyväskylä

Wednesday, 16 of November

- 08:30** **Registration and morning coffee**
- 09:00** **Opening Session, Chair: Mr. Pasi Raiskinmäki**
Opening speech of the IFM²E seminar by Mr. Mikko R. Salminen
JAMK presentation by Mr. Pasi Raiskinmäki
- 09.30** **1st Session: Industrial Engineering, Chair: Mr. Pasi Raiskinmäki**
JAMK Industrial Engineering: Multidisciplinary competences by Mr. Matti Kurki
Arctic Structures: The change to optimized design portfolio by Mr. Jorma Matilainen
HEIBus - a new EU funded project by Mrs. Anneli Kakko
- 10:30** **Coffee Break**
- 11:00** **2nd Session: Mechanical Engineering, Chair: Mr. Johannes Steinschaden**
Aspects of material usage optimization in modern FEM based stress analysis by Mr. Steffen Greuling
Reuse of engineering data, information and knowledge in collaborative and automated design processes by Mr. Jullius Cho
Curriculum development of engineering department in cooperation with industry by Mr. Michael Broomhead
- 12:00** **Lunch at restaurant Trattoria**

- 13:00 3rd Session: Resource Wisdom, Chair: Mr. Johannes Steinschaden**
Modular and Factory Made Biogas Plants by Mr. Risto Retkin
Heat Recovery Optimization by Mr. Miika Kakko
Recent Advances in Building Life-Cycle Analysis and Resource Optimization by Mr. Jaakko Oksanen
- 14:00 Coffee Break**
- 14:30 4th Session only for international visitors**
Transportation and visit at Metsä Fibre in Äänekoski (new bioproduction mill)
hosted by Mr. Lasse Brandt, Director of Human Resources
- 16:30 Transportation back to the hotels**
- 17:30 Free time**
- 19:00 Transportation to Kuikka and dinner at Ränssi Inn**
dress code: casual, www.ranssinkievare.fi
- 21:00 Transportation back to the hotels**

Thursday, 17 of November

- 08:30** **Registration and morning coffee**
- 09:00** **5th Session: Industry Presentations, Chair: Mr. Steffen Greuling**
Current trends and design demands in paper and board machinery by Mr. Timo Pirinen
Optimization of financial, environmental and social attributes in a biorefinery by Mr. Stephen Kelley
Current situation of recycled fiber usage in different paper and board grades in Germany by Mrs. Helga Zollner-Croll
- 10:00** **Coffee break**
- 10:15** **6th Session: University-Company Cooperation, Chair: Mrs. Gabriella Vadasz-Bognar**
The Progress of the dual education at FHV by Mr. Franz Geiger
International product development project with company ITAB Pikval Oy by Mr. Petri Kallberg, Mr. Ville Surma-Aho and Ms. Nina Sallinen
Internationalization in Engineering: A contradiction? One approach for effective student-exchange by Mr. Bernhard Schwarz
Success factors of German hidden champions by Mr. Frank-Andreas Schittenhelm
- 11:45** **Closing of IFM2E 2016 seminar and rewarding the best presentation by Mr. Matti Kurki**
- 12.00** **Announcement of IFM2E 2017 seminar by Mrs. Anneli Kakko**
- 12:15** **Lunch at restaurant Trattoria**
- 13:15** **Transportation to JAMK Main campus and / or Tikkakoski airport by JAMK minibus**
Extra programme at JAMK Main campus, Rajakatu 35
- 14:30–16:00** **Laboratory tour**

Chairs of IFM²E 2016 seminar

- Mr. Pasi Raiskinmäki, Dr., Director of the School of Technology, JAMK UAS, Finland
- Mr. Johannes Steinschaden, Dr., Head of Mechatronics, Vorarlberg UAS, Austria
- Mr. Steffen Greuling, Prof. Dr. Ing., Dean of Mechanical Engineering, Esslingen UAS, Germany
- Mrs. Gabriella Vadasz-Bognar, Prof. Dr., University of Miskolc, Hungary

Speakers of IFM²E 2016 seminar

- Mr. Mikko R. Salminen, Director of Administration, JAMK UAS, Finland
- Mr. Pasi Raiskinmäki, Dr., Director of the School of Technology, JAMK UAS, Finland
- Mr. Matti Kurki, Dr., Adj. Prof., Head of Industrial Engineering, JAMK UAS, Finland
- Mr. Jorma Matilainen, Lic. Tech., Principal Lecturer, JAMK UAS, Finland
- Mrs. Anneli Kakko, M.Sc., Senior Lecturer & Developer of Int. Activities, JAMK UAS, Finland
- Mr. Steffen Greuling, Prof. Dr. -Ing., Dean of Mechanical Engineering, Esslingen UAS, Germany
- Mr. Jullius Cho, M.Sc./PhD student, Vienna Technical University, Austria
- Mr. Michael Broomhead, Coordinator, Mech. Eng., Amsterdam UAS, Netherlands
- Mr. Risto Retkin, M.Sc., Expert, Biogas Processess, BioGTS Oy, Finland
- Mr. Miika Kakko, M.Sc., Energy Specialist, RE-Suunnittelu Oy, Finland
- Mr. Jaakko Oksanen, M.Sc., Senior Lecturer, JAMK UAS, Finland
- Mr. Timo Pirinen, VP, Engineering, Paper Mills Business Unit, Valmet Technologies, Inc., Finland
- Mr. Stephen Kelley, Prof. Dr., North Carolina State University, USA
- Mrs. Helga Zollner-Croll, Prof. Dr., Munich UAS, Germany
- Mr. Franz Geiger, Dr., Programme Director Electrical Engineering Dual, Vorarlberg UAS, Austria
- Mr. Petri Kallberg, Product Manager, ITAB Pikval Oy, Finland
- Mr. Ville Surma-Aho, Energy Technology student, JAMK UAS, Finland
- Ms. Nina Sallinen, Energy Technology student, JAMK UAS, Finland
- Mr. Bernhard Schwarz, Prof. Dr., Project Manager Mexico, German University Consortium for International Cooperation (DHIK), Germany
- Mr. Frank-Andreas Schittenhelm, Prof. Dr.rer.pol. Dr. (U Pisa), HfWU Nürtingen-Geislingen, Germany

Participants of IFM²E 2016 seminar

- Broomhead, Michael, Amsterdam UAS, Netherlands
- Cho, Jullius, Vienna Technical University, Austria
- Gamez, Javier, University of Jaen, Spain
- Geiger, Franz, Vorarlberg UAS, Austria
- Greuling, Steffen, Esslingen UAS, Germany
- Göpfert, Ulrich, Vorarlberg UAS, Austria
- Haberkern, Anton, Esslingen UAS, Germany
- Harju, Mauno, JAMK UAS, Finland
- Jiao-Steinmetz, Ying, Esslingen UAS, Germany
- Kakko, Anneli, JAMK UAS, Finland
- Kakko, Miika, RE-Suunnittelu Oy, Finland
- Kallberg, Elja, JAMK UAS, Finland
- Kallberg, Petri, ITAB Pikval Oy, Finland
- Kelley, Stephen, North Carolina State University, USA
- Kurki, Matti, JAMK UAS, Finland
- Liyvapuu, Alexander, Estonian University of Life Sciences, Estonia
- Maier, Stefani, Esslingen UAS, Germany
- Martikainen, Timo, Elomatic Oy, Finland
- Matilainen, Jorma, JAMK UAS, Finland
- Oksanen, Jaakko, JAMK UAS, Finland
- Pasic, Sead, University Dzemal Bijedic of Mostar, Bosnia-Herzegovina
- Pirinen, Timo, Valmet Technologies, Inc., Finland
- Raiskinmäki, Pasi, JAMK UAS, Finland
- Retkin, Risto, BioGTS Oy, Finland
- Sallinen, Nina, JAMK UAS, Finland
- Salminen, Mikko R., JAMK UAS, Finland
- Sampo, Arto, Elomatic Oy, Finland
- Satorres, Silvia, University of Jaen, Spain
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- Schwan Philipp, Esslingen UAS, Germany
- Schwarz, Bernhard, DHIK, Germany
- Sirviö, Jan-Mikael, JAMK UAS, Finland
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- Surma-Aho, Ville, JAMK UAS, Finland
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- Torasan, Süleyman, HfWU Nürtingen-Geislingen, Germany
- Tuovinen, Tero, Jyväskylän University, Finland
- Vadasz-Bognar, Gabriella, University of Miskolc, Hungary
- Zollner-Croll, Helga, Munich UAS, Germany

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