

# Annual Seminar

9. - 10. 4. 2008

Palace, 10<sup>th</sup> floor, Eteläranta 10, Helsinki



## Programme

Wednesday 9. 4. 2008

*Chair: Markku Karlsson, UPM-Kymmene Oyj, KETJU steering committee*

11.00 – 12.00 Registration and lunch

12.00 – 14.00 Opening session

Overview to KETJU programme and research

*Programme Manager Salla Karvinen*

Forestcluster, Opportunities and Challenges for the research community

*Research Director Lars Gädda, Forest Cluster Ltd*

Environmentally Benign Manufacturing, Biocatalysis, Sustainable Development in the Future

*Managing Director, Kristiina Ylihonkola, Galilaeus Ltd.*

14.00 – 14.30 Coffee break

14.30 – 17.10 Project presentations in two parallel sessions

Group I

*Chair: Johanna Buchert, KETJU steering committee*

14.30-15.10 BIOCAT (Modular Biocatalyst Platform for Chiral Synthesis of Chemical Compounds by Structure-based Directed Evolution)/  
*Peter Neubauer*

15.10-15.50 FunMan (Targeted Functionalization of Spruce Galactoglucomannans with Aid of Galactose Oxidase)/  
*Maija Tenkanen*

15.50-16.30 PEGRES (Paper, Bioenergy and Green Chemicals from Nonwood Residues by a Novel Biorefinery)/  
*Juha Tanskanen*

16.30-17.10 SusProc (Sustainable Processing of Natural Resources)/  
*Marja Lajunen*

Group II

Chair: *Raija Pikku-Pyhältö, KETJU steering committee*

14.30-15.10 CO2UTIL (Towards Utilization of Carbon Dioxide as a Green and Versatile Commodity Chemical: Clean Synthesis of Methanol and Dimethyl Carbonate (DMC))/*Eva Pongracz*

15.10-15.50 FSE\_IX (Fast, Selective and Ecological Ion-exchange Materials for Hydrometallurgy)/*Erkki Paatero*

15.50-16.30 ISSB (Industrial Symbiosis System Boundaries)/  
*Jouni Korhonen, Matti Melanen, Laura Sokka*

16.30-17.10 NADREDOX (Enhanced Organocatalyzed Redox Processes for Sustainable Chemical Synthesis)/ *Timo Repo*

17.10 – 18.00 Poster presentations & wine

18.15 -> Dinner at Restaurant Kappeli (Eteläesplanadi 1)

Thursday 10. 4. 2008

08.30 – 09.00 Coffee

09.00 – 11.40 Project presentations in parallel sessions

Group I

Chair : *Johanna Buchert, KETJU steering committee*

09.00-09.40 Improvement of Xylose Utilisation for Bioprocesses/  
*Laura Ruohonen*

09.40-10.20 Chemical Testing by Molecular Biological Methods/*Marko Virta*

10.20-11.00 IFEE (Indicator Framework for Eco-efficiency)/  
*Jouni Korhonen*

11.00-11.40 SUMAC (Sustainable Innovative Materials in High Tech Applications)/*Eija Nieminen*

Group II :

*Chair: Chair: Riitta Keiski, KETJU steering committee*

09.00-09.40 ProDOE (Pro-environmental Product Planning in a Dynamic Operational Environment Now and in the Future- Methods and Tools)/ *Kari Heiskanen*

09.40-10.20 SUSWOOD (Sustainable and Eco-friendly Wood Material for Future Industrial Needs)/ *Taneli Kolström*

10.20-11.00 Design of Novel Non-halogenated Flame Retardants/  
*Carl-Erik Wilen*

11.40 – 12.00 Conclusions, Johanna Buchert

12.00 – 13.00 Lunch

13.00 – 17.00 TEKES SYMBIO Biocatalysis-workshop; programme and registration instructions [www.tekes.fi/symbio](http://www.tekes.fi/symbio) (events)