

Opening Seminar

Sustainable Production and Products KETJU-
research programme
17th January 2007, 10 a.m. – 7 p.m.



Venue: Helsinki Congress Paasitorni, Paasivuorenkatu 5 A, 00530 Helsinki

Programme

Chair: Professor Riitta Keiski

09.30 – 10.00 Registration and coffee

10.00 Opening of the Seminar

Relevance of KETJU-programme

Professor Riitta Keiski

Green chemistry and sustainable production in France;
CNRS and importance of international collaboration

Professor Danielle Ballivet-Tkatchenko, CNRS

Chemical Industry's Interests in KETJU-programme

Vice President, Environment & Safety Aarno Salminen, KEMIRA OYJ

KETJU-Programme 2007 – 2011

Programme Manager Salla Karvinen, Academy of Finland

11.45 – 12.45 LUNCH

12.45 – 13.00 Modular Biocatalyst Platform for Chiral Synthesis of Chemical
Compounds by Structure-based Directed Evolution (BI OCAT)

Professor Rikkert Wierenga, University of Oulu

13.00 – 13.15 Towards Utilization of Carbon Dioxide as a Green and Versatile
Commodity Chemical (CO2UTIL)

Eva Pongracz, University of Oulu

- 13.15 – 13.30 Fast, selective and ecological ion-exchange materials for hydrometallurgy (FSE_IX)
Professor Erkki Paatero, Lappeenranta University of Technology
Docent Risto Harjula, University of Helsinki
- 13.30 – 13.45 Challenges of eco-efficiency (IFEE)
Academy Research Fellow Jouni Korhonen, University of Tampere
- 13.45 – 14.00 Industrial Symbiosis System boundaries (ISSB)
Academy Research Fellow Jouni Korhonen, University of Tampere
Research Professor Matti Melanen, Finnish Environment Institute
- 14.00 – 14.15 Sustainable Redox Methods for the Chemical Industry (NADREDOX)
Senior Lecturer Petri Pihko, Helsinki University of Technology
- 14.15 – 14.30 Sustainable Processing of Natural Resources (SusProc)
Professor Marja Lajunen, University of Oulu
- 14.30 – 15.00 COFFEE BREAK
- 15.00 – 15.15 Targeted functionalization of spruce galactoglucomannans with aid of galactose oxidase (Funman)
Professor Maija Tenkanen, University of Helsinki
- 15.15 – 15.30 A Nonwood biorefinery (PEGRES)
Professor Juha Tanskanen, University of Oulu
- 15.30 – 15.45 Pro-environmental Product Planning in a Dynamic Operational Environment Now and in the Future – Methods and Tools (ProDOE)
Professor Janne Hukkinen, Helsinki University of Technology
- 15.45 – 16.00 Sustainable Innovative Materials in High Tech Applications. (SUMAC)
Professor Minna Uotila, University of Lapland
- 16.00 – 16.15 Sustainable and Eco-Friendly Wood Material for Future Industrial Needs (SUSWOOD)
Professor Taneli Kolström, University of Joensuu

- 16.15 – 16.30 Improvement of Xylose Utilisation for Bioprocesses
Senior Research Scientist Laura Ruohonen, VTT Technical Research Center of Finland
- 16.30 – 16.45 Yeast Cells in Toxicological and Ecotoxicological Assays
Adjunct Professor Marko Virta, University of Helsinki
- 16.45 – 17.00 Design of Novel Non-halogenated Flame Retardants -
Combustion and Polymer Scientists Join Forces
Professor Carl-Eric Wilén, Åbo Akademi University
- 17.00 Conclusion
- BUFFET



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