

Biomass Conversion | List of Speakers

Green Chemistry & Innovative Processes

10-11 March 2016 | Chimie ParisTech | Paris



Luc Avérous

Institut de chimie et procédés pour l'énergie, l'environnement et la santé, Strasbourg (France)



Prof. Luc Avérous is a Group (BioTeam) Leader, Head of Polymer Research Department at ICPEES (UMR CNRS 7515) - University of Strasbourg (France), and former Lab Director. He started as Polymer Engineer (EAHP-Strasbourg). Then in 1995, he obtained his PhD in Polymer Science & Engineering (École des Mines de Paris). In 1997, he became A/Prof. at the Packaging Engineering School in Reims (France) after two post-doctoral positions (Ecole Polytechnique de Montreal). Then in 2003, he became a Full Professor at ECPM (Strasbourg), where he teaches biopolymer science, biomaterials, composites, plastic processing & polymer characterization. During the last two decades, his major research projects have dealt with biobased and/or biodegradable polymers for environmental & biomedical applications. As a leading international expert in these fields, he has developed strong collaborations with several foreign labs (Australia, Brazil, Canada, Spain...) and major companies (Total, PSA, Soprema, Tereos...). He serves as a member of research advisory boards for different companies. In France or overseas, he is regularly invited to co-organize conferences, to chair symposia, and to give plenary or keynote lectures. He has co-edited 4 books (2 Wiley, 1 Elsevier & 1 Springer). He is a member of several editorial boards, and Guest Editor for scientific journals. He is a referee for many scientific journals, books and international projects. He has published hundreds of scientific communications with more than 5,000 citations.

Nadège Charon

IFP Énergies nouvelles, Direction Physique et analyse, Lyon (France)



Dr. Nadège Charon is a research scientist at IFP Énergies nouvelles, France. She graduated from CPE Lyon and obtained a MSc in analytical chemistry. She received her PhD in kinetic modeling of petroleum vacuum gasoils hydrotreatment in 2006 from ENS Lyon and IFP Énergies nouvelles. Her current research activities are focused on the characterization of biofuels and bio-products resulting from thermochemical or biochemical transformation of lignocellulosic biomass and her research is focused more specifically on the speciation of oxygen in complex bio-matrices using an analytical multi-techniques approach.

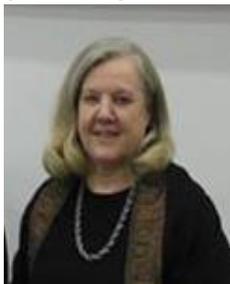
Franck Dumeignil

Unité de catalyse et de chimie du solide, Lille (France)



Prof. Franck Dumeignil, FRSC, is currently Professor at the University of Lille, France, and Deputy Director of the Unit of Catalysis and Chemistry of Solid (UMR CNRS 8181). He is a specialist of biomass-derived platform molecules conversion to high value-added compounds through the development of processes based on heterogeneous and hybrid catalysis. He coordinated the large-scale EuroBioRef FP7-project aiming at designing next generation integrated biorefineries, and is currently involved in biorefineries national projects (e.g. PIVERT, IFMAS, REALCAT...). He has co-authored over 100 scientific articles, 30 patents, and ca. 350 presentations (oral and poster) in national and international conferences.

Riitta Keiski
Environmental and Chemical Engineering, Oulu
(Finland)



Prof., Dean Riitta Keiski, Professor in Mass and Heat Transfer, Doctor of Science in Technology, Head of the Environmental and Chemical Engineering (ECE) research unit, Dean of the Faculty of Technology at the University of Oulu (Finland), has a long experience (~30 years) in conducting research in process and environmental catalysis, sustainability assessment, nanomaterials, separation processes, and reactor design. Prof. Keiski is Docent in Chemical process engineering, especially in Heterogeneous catalysis and Environmental engineering; *Dr. honoris causa* in Food and Agro-Technical Sciences by Corvinus University of Budapest (Hungary) and in Engineering by the National University of Engineering in Lima (Peru); the Leader of the ProChemE Research Community (RC); and the Director of the doctoral program of Advanced Materials (ADMA-DP). Prof. Keiski has supervised 19 doctoral theses, is the principal supervisor for 25 doctoral students, and has over 200 publications in peer-reviewed journals, more than 400 other scientific contributions and one patent. She has coordinated tens of research and infrastructure projects financed by the Academy of Finland, Finnish Funding Agency for Innovations, EU, foundations and industry. She is a member of the Board of the Academy of Finland, has had several other national and international academic responsibilities, and is an active evaluator of national and international research proposals, projects, institutes, and experts for academic positions.

Anne S. Meyer
Center for BioProcess Engineering, Copenhagen
(Denmark)



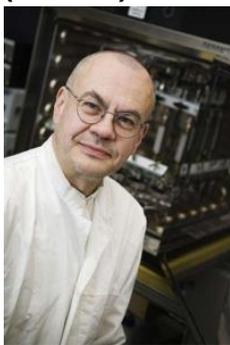
Prof. Anne S. Meyer is Professor and Head of Center for BioProcess Engineering within the Department of Chemical and Biochemical Engineering, Technical University of Denmark. She holds an MSc from the University of Copenhagen (formerly known as the Royal Veterinary and Agricultural University DK), an MSc from the University of Reading (UK), and a PhD from the Technical University of Denmark. Prof. Meyer began her career in 1993 as a Postdoctoral Researcher and subsequently assumed the role of Assistant Professor of Biotechnology and Biocatalysis within the Technical University of Denmark. She has had two Postdoc stays at UC Davis, California, USA 1996 and 2001. In 1998, she was promoted to Associate Professor of Biotechnology/Enzyme Technology – a role which she held for eight years. She assumed her current role as Full Professor of Enzyme Technology and BioProcess Engineering in 2006. She has published more than 230 peer-reviewed papers within the field of enzyme catalysis, enzymatic production of prebiotics, biomass conversion, and agro-industrial refining technology, and she currently has a Web-of-Science h-index of 44.

Jyri-Pekka Mikkola
Center for BioProcess Engineering, Umeå
(Sweden)



Prof. Jyri-Pekka Mikkola, born in Nousiainen, Finland in 1966. He received his MSc in chemical engineering from Åbo Akademi University, Åbo-Turku, Finland in 1992. After spending a few years in industry, he returned to academia to complete his PhD in chemical engineering from Åbo Akademi 1999. Since 2008, he is a professor (Sustainable Chemical technology) at both Umeå University, Sweden, and Åbo Akademi, Finland. He has co-authored >250 papers and holds a number of patents. The principal areas of interest are green chemistry, heterogeneous catalysis, ionic liquid technologies, chemical kinetics, and novel materials. He is a member of the editorial board of *Frontiers in Chemistry* and *Progress in Industrial Ecology - An International Journal*. He is also: member of the scientific advisory board in Biorefinery of the Future, Finnish Society for Industrial Ecology, Finnish Catalysis Society; steering group member of Bio4Energy research program (www.bio4energy.se); member of scientific advisory board, Spinchem AB; member of the scientific advisory board of Biofuel Technology Center (www.btk.slu.se); Management committee member of COST actions CM0903 (Ubiochem) and CM1206 (EXIL) 2013. In 2004, he was appointed Academy Research Fellow and received *The Incentive Award* by the Academy of Finland. In 2009, he received the Umeå University *Young scientist Award*.

Tapio Salmi
Center for BioProcess Engineering, Åbo/Turku
(Finland)



MSc (Chem.Eng.) Åbo Akademi 1980, PhD (Chem.Eng.) Åbo Akademi 1986
Associate professor in industrial chemistry Åbo Akademi 1989–1997
Professor in chemical reaction engineering Åbo Akademi 1998-
Academy professor (research professor) at Academy of Finland 2009–2013
Research visits to Denmark and Czechoslovakia; shorter research visits to Germany and France
Research interests: chemical reaction engineering and catalysis
Author and co-author of about 500 peer review scientific articles, three textbooks and several book chapters.
Supervisor of more than 50 doctoral theses. Visiting lecturer at several European universities
Member of Societas Scientiarum Fennica, member of Finnish Academy of Sciences, honorary member of Czech Society of Chemical Engineering
Received several awards for scientific achievements and societal commitment

Sophie Thiebaud-Roux
Laboratoire de Chimie agro-industrielle, Toulouse
(France)



Prof. Sophie Thiebaud-Roux is Professor and Head of the Department of Chemistry at INP-ENSIACET in Toulouse (France). She holds a diploma of engineer in chemistry and a PhD degree in organic chemistry applied to agro-molecules. During the last ten years, her research work has been focusing on the development of biosolvents through different methodologies and on their syntheses from bio-based raw materials under reaction conditions close to the principles of green chemistry.

Karin Øyaas
Paper and Fibre Research Institute, Trondheim
(Norway)



Research manager, Paper and Fibre Research Institute (PFI), Trondheim, Norway.
Academic background/education: PhD, Biotechnology, Norwegian Institute of technology, 1995.
Long experience in research with PFI (since 1998) and with SINTEF (1985–1995). Also experience from industry assignments (1996–1998 food industry, and 2004–2006 analytical laboratory).
> 50 publications in international research journals and at international meetings.
Appointed member of “Skog22”, a strategic committee appointed by the Norwegian Ministry of Agriculture and Food, to make proposals for a strategy that provides the basis for strengthening the competitiveness of the Norwegian forest-based value chain (2013–2015).
Norwegian representative IEA Bioenergy Task 39 “Liquid Biofuels from Biomass” (2006–2013).
Appointed expert for the road mapping exercise on 'Materials for the SET-Plan' for the 2020 and the 2050 horizons, focusing on the bioenergy part of the plan. 2011.
Project leader of numerous national as well as international research projects.

Patrick Cagnet

Institut de chimie et procédés pour l'énergie, l'environnement et la santé, Strasbourg (France)



Prof. Patrick Cagnet is Professor at the Institut National Polytechnique of Toulouse, France, in an Engineering School (ENSIACET). He received his Chemical Engineering Diploma from ENSIC (Ecole Nationale Supérieure des Industries Chimiques de Nancy) in 1991. He carried out his PhD at the Chemical Engineering Laboratory in Toulouse (Electrochemical Engineering). He joined ENSIACET (University of Toulouse) in 1994 as Assistant Professor. He is Professor since 2010 and Head of the Chemical Engineering Department since 2008. He develops research activities at the Chemical Engineering Laboratory. His work is focused on Green Process Engineering and more precisely on reactor design, activation techniques (ultrasound, electrochemistry), intensification, and processes involving new media. He created the 1st Green Process Engineering (GPE) congress in 2007. He is also Program Officer at the French National Research Agency (ANR) since 2010. Patrick Cagnet is the author of 40 published papers, more than 70 communications, 1 patent, 2 book chapters, and co-editor of 1 book (Green Process Engineering). He received several awards, among which the Roberval Prize (2010) and the Novela Prize of the city of Toulouse (2011).

Paul Colonna

Institut national de la recherche agronomique, Nantes/Paris (France)



After getting an engineering degree in agronomy at the National Institute of Agronomy in Paris-Grignon (now AgroParisTech), **Dr. Paul Colonna** turned to academia, winning a PhD in Polymer Physics at the University of Paris-VI. He devoted his entire career to scientific research and its applications to food science, particularly on biopolymers, with sabbatical stays in Norwich (BBSRC, UK) and Berkeley (USDA, USA). Over the past decade, a focus on Green Chemistry of Renewable Carbon allowed him to broaden his research activity to the issue of sustainable development, through French and European collaborations. His expertise is recognized worldwide through his 130 publications and 26 books published as well as his participation in major scientific international congresses, leading him to be elected Fellow of the International Academy of Food Science & Technology (IAFoST). Paul Colonna was Head of Division Science and Process Engineering of Agricultural Product (2000–2008) at INRA and then professor at the College de France (www.college-de-france.fr) where he taught Sustainable Development 2011–2012. He is now Deputy Scientific Director Food and Bioeconomy at INRA since 2012.

Chantal Khan-Malek

CNRS, Direction Europe de la recherche – Coopération internationale, Paris (France)



Dr. Chantal Khan-Malek is Research Director at CNRS. She has been appointed Deputy-Director in charge of cooperation with bilateral Europe at the international office (Europe of Research and International Cooperation office - DERC), at the CNRS headquarters in Paris in July 2015. From January 2011 to June 2015, she was Deputy-Director for North Asia - Oceania at the DERC. Previously, she had been responsible for CNRS cooperation with India, Australia and New-Zealand (2000–2002). Chantal Khan-Malek is a specialist of micro/nano- and advanced manufacturing technologies and their application to devices and systems. She has been actively involved in research for 25 years and worked in France, Germany and the USA. Her research interests revolve around lithography, replication techniques, EUV and X-ray optics, and microsystems. Her most recent focus has been on the development of polymer microfluidic-based systems for biological and biotechnological applications at the FEMTO-ST Institute, a research centre of approximately 700 people in the field of engineering sciences and technologies, associated with CNRS and located in Besançon, France.