



European Biomass Research Committee

EUBREN committee of biomass research experts

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EUBREN, the European Biomass Research Network is an initiative developed by EUBIA and it consists of a selection of Universities and Research Centers in all the 28 European countries. The initiative is a result of EUBIA's several years of experience in promoting and supporting new industry oriented efforts and cooperation with investors, as well as small and large private enterprises. Biomass, the only existing renewable carbon based source of energy, is notably positioned within the biobased industry as most flexible in terms of technologies, strategies, products and future perspectives. Given the unique capacity of this sector, research activities carried out at all levels demonstrated to have a crucial role in the final takeoff of biobased economy at commercial stage in the EU.

Prof. Dimitrios Sidoras, Industrial management & technology, Piraeus University, Greece



Dimitrios Sidoras is Prof. Dep. Industrial Management & Technology, Sch. Maritime & Industry at University of Piraeus, Greece. Prof. Sidoras is the author of more than 80 publications and 956 citations in the biomass sector. His research activity focuses on: simulation of industrial processes; techno-economic analysis; renewable energy sources; biomass; bioenergy; natural resources management; GIS based assessment; environmental management & technology; manufacturing of agricultural by products; teaching methodology; distance learning.

Prof. Steven Van Passel, Professor, Environmental Economics Research, Hasselt University, Belgium



Prof. Van Passel is responsible of the Environmental Economics Research department at Hasselt University, and the author of more than 80 publications focusing on several aspects of biomass valorisation research sector. Among the most relevant research topics prof. Van Passel targets, are the following: the sustainability assessment of biobased technologies, the identification of sustainable finance for sustainable fisheries and agriculture and the integrated environmental techno-economic assessment for the multistage development of biobased technologies.

Dr. Franck Dumeignil, Professor, University of Lille, France



Prof. Dumeignil's research is focused on the upgrading of the biomass-derived platform molecules to high value-added compounds through the development of new catalytic processes. He was the coordinator of the EuroBioref project from 2010 to 2014 and current Director of UCCS. His current research focus comprises: Establishment of new Biorefineries concepts ; Development of hybrid catalysis (one-pot chemo- and bio-catalysis interweaving; High-throughput discoveries (REALCAT platform; Integration of SSH with "Hard Sciences" in the bioeconomy concept.

Dr. Michele Aresta, Chair of the Scientific Committee CIRCC, CEO IC2R srl



Michele Aresta is a Doctor in Industrial Chemistry –Milan, Italy, a Doctor of Engineering Honoris Causa - University of Bath, UK, a Honorary Professor at the University of Tianjin, China. He was a Professor of Chemistry at the University of Bari, Italy between 1970-2012. Dr. Aresta is the author of over 250 papers, and the author and editor of ten books on CO₂ utilization. He received awards from the Italian Chemical Society, Société Française de Chimie, Royal Chemical Society. He is an expert in catalysis for carbon-recycling (CO₂ and biomass conversion, photocatalysis).

Prof. Ioana Ionel, Prof. Eng, Universitatea Politehnica Timisoara, Romania



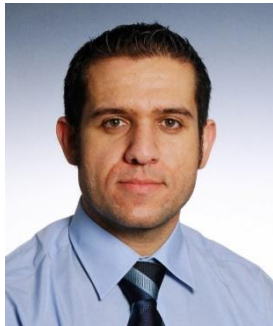
Ioana Ionel is Research Centre Director at Universitatea Politehnica Timisoara, Faculty of Mechanical Engineering. At present she is the Director of the Research Centre for thermal machines and equipment, transport and pollution control, a centre internally accredited by the Politehnica University, ranking the third in the internal hierarchy. She is coordinating ongoing research programs, teaching and academic management, attracting national and European funding.

Prof. Lasse Rosendahl, biomass thermo-chemical conversion, Aalborg University, Denmark



Professor Rosendahl has over 15 years experience in renewable energy and has published extensively in this field. His Biomass research programme has its main focus on thermo-chemical and bio-chemical conversion of biomass for the purposes of either energy or solid/liquid/gaseous Biofuels production. Activities cover the full value chain from feedstocks through conversion to end use application for example in engines or power stations and further developments into fully equipped biorefinery platforms.

Prof. Dr. Paris Fokaides, Dr. Eng. Lecturer, Frederick University, Cyprus



Dr. Fokaides' research is primarily concerned with experimental thermo-fluid mechanics, with a particular focus on the field of buildings' energy efficiency. He is the author and/or co-author of more than 30 publications in peer-reviewed journals and conference proceedings as well as 4 book chapters. Dr. Fokaides is the co-inventor of a European patent regarding a novel gas turbine fuel injection system. Currently he teaches courses of building physics, renewable energy sources and experimental fluid mechanics.

Prof. Ricardo Chacartegui, Energy Engineering, University of Seville, Spain



Prof. Chacartegui is an expert on thermal energy systems: design, development, and optimization. His experience covers the analysis of novel cycle's concepts and thermal systems (CaL for energy storage and CO₂ capture, Organic Rankine Cycles). He works on technologies for biomass conversion, bioenergy generation and systems development. He published more than 40 papers in peer review journals since 2006 and more than 60 papers in international congresses.

Dr. Reinhard Rauch, Area Manager Biomass Gasification Systems, University of Vienna, Bioenergy2020+



Dr. Rauch did his PhD on synthesis gas application at Vienna University of Technology and is working since 1996 in the area of biomass gasification. In the present he is working as a manager in Bioenergy2020+ for the area "biomass gasification systems" and researcher for the University of Vienna. He has significant experience with biomass thermo-chemical conversion technologies, with a focus on gasification, synthesis gas production, cleaning and treatment and also in multiple types of synthesis such as methanation, Fischer Tropsch, mixed alcohols and hydrogen production.

Mr. Avelino Corma, Professor, Universitat Politècnica de València, Spain



Prof. Corma has been carrying out research in heterogeneous catalysis in academia and in collaboration with companies for nearly 30 years. He worked on fundamental aspects of acid-base and redox catalysis with the aim of understanding the nature of the active sites and reaction mechanisms. He is an internationally recognized expert in solid acid and bifunctional catalysts for oil refining, petrochemistry and chemical process, especially in the synthesis and application of zeolite catalysts. He published more than 900 research papers, and holds more than 100 patents. Over 12 of those patents have been applied industrially in commercial processes.

Mr. Panagiotis Grammelis, Director of Laboratory of Alternative Fuels & Technologies, CERTH, Greece



Mr. Grammelis is Director of laboratory of Alternative fuels and technologies in Greece, and works as senior researcher and scientific responsible in research activities related to: biomass and waste exploitation, CO₂ reduction and CCS Technologies, process energy analysis and environmental pollution assessment of energy generation facilities. He is author of more than 240 publications, 8 books and managed more than 70 international projects focused on alternative energy research.

Prof. Ana Luisa Fernando, Environmental Sciences Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa, Portugal



Dr Ana Luisa Fernando, is an Assistant Professor at the FCT/UNL since 1991. The main scientific areas of research are non-food crops (kenaf, miscanthus, giant reed, sweet sorghum, etc), environmental studies, remediation of contaminated soils and valorization of agro residues, with more than 20 years of experience. She participated in several national and EU projects Author and co-authored several publications presented in books, international journals and conferences.

Ms. Mirja Illikainen, Professor, University of Oulu, Finland



Dr. Mirja Illikainen works as a leader of group of Minerals and recycling in the FPEL, the Laboratory of Fiber and Particle Engineering of Oulu University. She published more than 30 scientific papers in the field of fibre and particle engineering. One of the most relevant research topics is the biomass ash recycling for biomaterials production. She worked as a project manager and coordinator in several public research projects networked with companies.

Prof. Tadeusz Trziszka, Vice-Rector for Research, Wrocław University of Environmental and Life Sciences, Poland



Prof. Trziszka's research is connected with poultry and egg technologies, improvement of the quality of raw materials and implementation of innovative technologies. In the past 5 years his research activity has been dedicated to the development of technology for nutraceutical and biomedical preparations and their applications for the prevention and therapy of civilization diseases. He has over 400 publications and he received 30 scientific awards of Rector, 4 awards of Ministry, 2 Awards of the NOT (2012) for outstanding achievements in the field of technology.

Prof. Quang D. Nguyen, Full professor, Szent Istvan University, Hungary



Quang D. Nguyen is full professor of food science and biochemical engineering at the Institute of Bioengineering and Process Control, Faculty of Food Science, Szent Istvan University (former Corvinus University of Budapest). He is the leader of Biochemical engineering education programme in the University. His main research focuses on the development of bioprocess, bioconversion and application of these technologies in food and feed, renewable bioenergy and utilisation of biomass.

Mr. Boris Cosic, PhD, Department of Energy, Power Engineering and Environment, University of Zagreb, Croatia



Boris Čosić, dipl. ing. is a researcher at the DEPEE (UNIZAG FSB). He graduated at UNIZAG FSB in 2008 and he works as a project and financial manager on various European and National projects. He was EU Erasmus PhD scholar at Mechanical Engineering Faculty of the University of Nis in Serbia. His main research areas are renewable energy sources (biomass and biofuels) and 100% renewable energy systems with special interest on South East Europe Community.

Prof. Neven Duić, University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture, Department of Energy, Power Engineering and Environment (DEPEE), Croatia



Prof. Neven Duić is a Full professor at the DEPEE at UNIZAG FSB. He has taken part in various fields of Sustainable Energy Development including energy management, energy planning, climate change, etc. Prof. Duić is coordinating the CFD combustion and radiation modelling group as well as the Croatian participation in several Horizon 2020 projects, seventh Framework Programme (FP7) and Interreg programme. He is Croatian national coordinator for researcher's mobility at the Agency for Mobility and EU Programmes, Co-ordinator of Croatian participation in 20 international scientific research projects and national representative of Horizon 2020 for ERC/MSCA/FET. Prof. Duić published over 300 research papers, of which 113 in journals (59 in journals referred in SCI) and 6 in books. He gave more than 70 invited and keynote lectures.

Michael Hauschild, Professor, Technical University of Denmark, Denmark



Michael Hauschild is a professor and Head of the division for Quantitative Sustainability Assessment at the Department of Management Engineering of Technical University of Denmark. He is responsible for the department's Life Cycle Engineering research activities, teaching and professional training. He held the chair of the Society of Environmental Toxicology and Chemistry (SETAC-Europe) task force on ecotoxicity assessment in LCIA 1998-2002 and the UNEP/SETAC Life Cycle Initiative task force on Assessment of Toxic Impacts in LCIA 2002-2006. He was elected member of the SETAC-Europe LCA Steering Committee 2006-2012 and appointed to the LCIA Method Developers Advisory Group to the European LCA Platform project of the EU Commission same year. As a consultant to the EU Commission he led work on development of recommendations for life cycle impact assessment under the ILCD system.

Prof. Angela Dibenedetto, Associate Professor, Interuniversity Consortium on Chemical Reactivity and Catalysis-CIRCC, Bari, IT



Prof. Benedetto's research activity focuses on carbon dioxide utilization in synthetic chemistry, catalysis, green chemistry, marine biomass production by enhanced carbon dioxide fixation, marine biomass as source of fuels and chemicals applying the Biorefinery concept. She is director of the Interuniversity Consortium on Chemical Reactivity and Catalysis-CIRCC. In 2001 she won the RUCADI Prize for "Better Carbon Management - An Intelligent Chemical Use of CO₂" delivered by ACP-Belgium, CarbuerosMetalicos-Spain and ENICChem-Italy.