

MONDAY CONFERENCE OPENING

Room: K1+K2

FREE ADMISSION

In order to register for free for the Conference Opening, please insert the Code "OPENING FREE" in the Promotional Code field in the [Online Registration Form](#)
(i)=invited

09:00**PLENARY SESSION****Application of Science in Industry**

Chairpersons:

Nicolae SCARLAT, Technical Programme Chairman

European Commission, Joint Research Centre, Directorate for Energy, Transport and Climate

Remigijus LAPINSKAS, World Bioenergy Association, President

Speakers:

TOWARDS A SUSTAINABLE PUBLIC TRANSPORT IN STOCKHOLM**Anneli WALDÉN**, Stockholms läns landsting, Strategist Energy and Environment, Sweden**PRODUCING ETHANOL FROM WOOD RESIDUE****Mika AHO**, St1 Nordic Oy, Director, Public Affairs, Finland**WOOD-BASED BIOFUELS – OPPORTUNITIES FOR DECARBONISATION****Marko JANHUNEN**, UPM Biorefining Vice President, Finland**CREATING A MARKET FOR AVIATION BIOFUELS****Oskar MEIJERINK**, SkyNRG, Business Development Manager, The Netherlands**10:00****OPENING ADDRESSES****Lena EK**, Conference General Co-Chair

President of Södra Skogsägarna, Chairperson of the Board of the Forest-based Sector Technology Platform, Sweden

Henrik EHRNROOTH, Conference General Co-Chair

Chairman of the Boards of Pöyry PLC and Chairman of the Climate Leadership Council, Finland

Anders WIJKMAN, Chair Swedish Parliamentary Committee on the Environmental Goals, Chair of the Governing Board Climate-KIC, Member of the Board at the think tank Global Utmaning and former Member of the European Parliament

Piotr SZYMANSKI, European Commission, Joint Research Centre, Director of Energy, Transport and Climate

Jakob DALUNDE, Member of the European Parliament, ITRE Committee**Giulio VOLPI**, European Commission, DG Energy, Belgium**11:00****MODERATED OPENING PANEL****The Indispensable Role of Biomass**

Moderator:

Paolo FRANKL, International Energy Agency, Head of Renewable Energy Division, France**SETTING THE SCENE:****The Nordic Strategy for Bioeconomy****Tomas LUNDMARK**, Swedish University of Agriculture Science, Professor of Forestry; Royal Swedish Academy of Agriculture and Forestry, Chairman of the Forestry Section, Sweden**The importance of biomass in long-term sustainable energy scenarios – The IEA Bioenergy Roadmap Update****Paolo FRANKL**, International Energy Agency, Head of Renewable Energy Division, France

Panelists:

Jakob DALUNDE, Member of the European Parliament, ITRE Committee, Belgium**Dana YOUNGER**, IFC International Finance Corporation, World Bank Group, Chief Renewable Energy Specialist, Global Infrastructure & Natural Resources Department, USA**Maria Michela MORESE**, Executive Secretary of the Global Bioenergy Partnership (GBEP), Climate and Environment Division, ITALY**Giles DICKSON**, WindEurope, CEO, Belgium**Marko JANHUNEN**, UPM Biorefining Vice President, Stakeholder relations, Finland**Tomas KÅBERGER**, Renewable Energy Institute, Executive Board Chairman, Sweden**12:20****LINNEBORN PRIZE 2017 / EUBIA AWARD 2017****15:00****THE NORDIC FORESTRY MODEL – A SUSTAINABLE WAY TO TAKE LEAD TOWARDS A FOSSIL FREE EUROPE***see page 147*

Please note, that this programme may be subject to alteration and the organisers reserve the right to do so without giving prior notice. The current version of the programme is available at www.eubce.com

13:30 - 15:00

ORAL SESSION 1AO.1

Biomass Potentials and Biomass Mobilisation

ROOM: K21

CHAIRPERSONS:

Benoit GABRIELLE, AgroParisTech - INRA, FRANCE

Qingsheng CAI, Nanjing Agricultural University, P.R. CHINA

1AO.1.1

INTRESS - LAND AS A RESOURCE

Alexa LUTZENBERGER, ALRENE, GERMANY

Co-author: F. Lichter, ALRENE, Eisenhüttenstadt, Germany

1AO.1.2

BIOGAS TRANSPORT GRIDS, CASE STUDY "PROVINCE OF WEST-FLANDERS"

Evert Jan HENGEVELD, Hanze University of Applied Sciences, Hanze Research

Centre Energy, THE NETHERLANDS

Co-authors: J. Bekkering, W.J.T. Gemert, van, Hanze Research Centre Energy, Hanze UAS, Groningen, The Netherlands; M. Dael, van, Centre for Environmental Sciences, Hasselt University and VITO, Hasselt and Mol, Belgium; A.A. Broekhuis, University of Groningen, The Netherlands

1AO.1.3

ANTICIPATING CLIMATE CHANGE EFFECT ON BIOMASS PRODUCTIVITY AND VEGETATION STRUCTURE OF MEDITERRANEAN FORESTS TO PROMOTE THE SUSTAINABILITY OF THE WOOD ENERGY SUPPLY CHAIN

Emmanuel GARBOLINO, Mines Paris-tech, CRC - Centre de Recherche sur les

Risques et les Crises, FRANCE

Co-authors: W. Daniel, AgroParisTech and MINES ParisTech/PSL Research University, Paris, France; V. Sanseverino-Godfrin, MINES ParisTech/PSL Research University, Sophia Antipolis, France

1AO.1.4

EVALUATION OF THE PRESENT STATE AND PERSPECTIVES FOR THE ENERGY AND ENERGY CARRIERS PRODUCTION FROM BIOMASS IN POLAND

Krystian BUTLEWSKI, Institute of Technology and Life Sciences, Biomass

Processing Technologies Dpt., POLAND

1AO.1.5

DOMESTIC BIOMASS RESOURCES AND POTENTIAL BIOMASS DEMAND FOR CO-FIRING IN THE EU

Olivia CINTAS SANCHEZ, Chalmers University of Technology, Energy and

Environment Dpt., SWEDEN

Co-authors: G. Berndes, L. Cutz, O. Englund, F. Johnsson, Chalmers University of Technology, Göteborg, Sweden

13:30 - 15:00

ORAL SESSION 2AO.2

Biomass Combustion and micro-CHP Technologies

ROOM: K2

CHAIRPERSONS:

Øyvind SKREIBERG, SINTEF Energy Research, NORWAY

Juan Esteban CARRASCO, CIEMAT, SPAIN

2AO.2.1

DEVELOPMENT OF A NEW MICRO CHP PELLET STOVE TECHNOLOGY

Ingwald OBERNBERGER, Bios Bioenergiesysteme, AUSTRIA

Co-authors: G. Weiss, BIOS Bioenergiesysteme, Graz, Austria; M. Koessl, RIKA Innovative Ofentechnik GmbH, Micheldorf, Austria

2AO.2.2

MODIFIES AND EXPERIMENTAL TESTS AN A LIQUID FUEL MICRO GAS TURBINE FUELED WITH PYROLYSIS OILS AND ITS BLENDS

Marco BUFFI, CREAR/RE-CORD, DIEF - Industrial Energy Dept., University of Florence, ITALY

Co-authors: A. Cappelletti, F. Martelli, CREAR, University of Florence, Florence, Italy; A.M. Rizzo, D. Chiaramonti, CREAR/RE-CORD, University of Florence, Florence, Italy

2AO.2.3

RENEWABLE RESIDENTIAL HEATING WITH FAST PYROLYSIS BIO-OIL: RESIDUE2HEAT

Roy HERMANNNS, OWI Oel-Waerme-Institut, GERMANY

Co-authors: T. Ruetten, OWI Oel-Waerme-MEKU Energie Systeme GmbH & Co. KG Institut GmbH, Aachen, Germany; B. van de Beld, Biomass Technology Group. me-Institut, Hengelo, The Netherlands; A. Oasmaa, VTT, Espoo, Finland; P. Massoli, Istituto Motori, Consiglio Nazionale delle Ricerche, Napoli, Italy; A. Frassoldati, PTM Politecnico di Milano, Milano, Italy; A. Toussaint, BTG BioLiquids, Hengelo, The Netherlands; H. Insam, University of Innsbruck, Institute of Microbiology, Innsbruck, Austria

2AO.2.4

MEASUREMENTS OF FULL-COMBUSTION-CYCLE EMISSIONS FROM PEAT AND WOOD IN A DOMESTIC STOVE

Cian QUINN, University College Dublin, Mechanical and Materials Engineering Dpt., IRELAND

Co-author: W.J. Smith, University College Dublin, Ireland

2AO.2.5

PERFORMANCE EVALUATION OF A MODERN WOOD STOVE WHEN USING CHARCOAL

Alexis SEVAULT, SINTEF Energy Research, Thermal Energy Dpt., NORWAY

Co-authors: R. Khalil, O. Skreiberg, F. Goile, L. Wang, M. Seljeskog, R. Kempegowda, SINTEF Energy Research, Trondheim, Norway; B.C. Enger, SINTEF Materials and Chemistry, Trondheim, Norway

13:30 - 15:00

ORAL SESSION 3AO.3

Pilot Plant Application for Biomass Liquefaction

ROOM: K1

CHAIRPERSONS:

Andreas APFELBACHER, Fraunhofer-Institut UMSICHT, GERMANY

Wolter PRINS, University of Ghent, BELGIUM

3AO.3.1

BIORECOVER: BIOMASS RESIDUE CONVERSION & VALORISATION FOR AN ECONOMIC REFINERY

Paul DE WILD, Energy Research Centre of the Netherlands, Biomass & Energy Efficiency Dpt., THE NETHERLANDS

3AO.3.2

DROP IN POTENTIAL OF UPGRADED FUELS PRODUCED AT PILOT SCALE VIA HYDROTHERMAL LIQUEFACTION OF DIFFERENT BIOMASS FEEDSTOCKS

Patrick BILLER, Aarhus University, DENMARK

Co-authors: J. Yu, R.B. Madsen, J. Becker, B.B. Iversen, I. Johannsen, M. Glasius, Aarhus University, Denmark

3AO.3.3

ONLINE BALANCING OF A PILOT SCALE FAST PYROLYSIS PLANT

Nicole WEIH, Karlsruhe Institute of Technology, Institute of Catalysis Research and Technology, GERMANY

Co-authors: A. Funke, C. Pfitzer, A. Niebel, N. Dahmen, Karlsruhe Institute of Technology, Germany

3AO.3.4

PYROLYSIS OF RESIDUAL BIOMASS IN A THERMO-CATALYTIC REFORMING PLANT AN EXPERIMENTAL INVESTIGATION OF SEWAGE SLUDGE

Johannes NEUMANN, Fraunhofer-Institut UMSICHT, Renewable Energy Dpt., GERMANY

Co-authors: A. Hornung, A. Apfelbacher, R. Daschner, Fraunhofer UMSICHT, Sulzbach-Rosenberg, Germany

3AO.3.5

EXPERIENCES OF PILOT SCALE CYCLONE PYROLYSIS

Ann-Christine JOHANSSON, RISE Bioeconomy, SP ETC, SWEDEN

Co-authors: L. Sandström, H. Wiinikka, O. Öhrman, SP Energy Technology Center, Piteå, Sweden

13:30 - 15:00

VISUAL PRESENTATIONS 4AV.1

From Research to Implementation in International Context and from Regions to Global Views

ROOM: Poster Area

See page 86

15:00

THE NORDIC FORESTRY MODEL – A SUSTAINABLE WAY TO TAKE LEAD TOWARDS A FOSSIL FREE EUROPE

see page 147

13:30 - 17:00

WORKSHOP

BioREFINE-2G: Utilisation of Waste Streams for Bioproducts and Bioenergy

See page 150

15:00 - 15:15

BREAK

15:15 - 16:45

ORAL SESSION 1AO.4

Integrated Biomass Production for Energy Purposes

ROOM: K21

CHAIRPERSONS:

Göran BERNDES, Chalmers University of Technology, SWEDEN

Floor VAN DER HILST, Utrecht University, THE NETHERLANDS

1AO.4.1

A NUTRIENT REUSE APPROACH FOR IMPROVED BIOMASS YIELDS, WATER QUALITY AND ECONOMIC

Cristina NEGRI, Argonne National Laboratory, Energy Systems Dpt., USA

Co-authors: C. Zumpf, P. Campbell, J. Cacho, Argonne National Laboratory, USA; H. Ssegane, The Climate Corporation, St. Louis, USA; T. Volk, J. Heavey, State University of New York, New York, USA

1AO.4.2

LOCALLY PRODUCED BIOENERGY CAN REPLACE 5-13% OF DANISH ENERGY CONSUMPTION IN 2020 WITHOUT INTRODUCTION OF ILUC

Søren LARSEN, Danish Energy Association, DENMARK

Co-authors: N. Bentsen, C. Felby, University of Copenhagen, Frederiksberg C, Denmark; T. Dalgaard, U. Jørgensen, J. Olesen, Aarhus University, Tjele, Denmark

1AO.4.3

OPPORTUNITIES FOR A SUSTAINABLE AND DIVERSE PRODUCTION OF RENEWABLE RESOURCES CROPS

Michael GRIEB, Technology and Support Centre (TFZ), Renewable Resources Crops and Material Cycles, GERMANY

1AO.4.4

BIOMASS RESIDUES AS ELECTRICITY GENERATION SOURCE IN LOW HDI REGIONS OF BRAZIL

Alessandro SANCHES-PEREIRA, University of São Paulo, Institute of Energy and Environment, BRAZIL

Co-author: S. Teixeira Coelho, University of São Paulo, Brazil

1AO.4.5**GRASS BIOMASS AS BIOFUEL FEEDSTOCK-ENVIRONMENTAL AND ECONOMIC SUSTAINABILITY**

Lovisa BJÖRNSSON, Lund University, Environmental and Energy Systems Studies Dpt., SWEDEN

Co-authors: M. Lantz, Lund University, Sweden; T. Prade, Swedish University of Agricultural Sciences, Alnarp, Sweden

15:15 - 16:45

ORAL SESSION 2AO.5**New Modelling Approaches and Emission Reduction**

ROOM: K2

CHAIRPERSONS:

Timothée NOCQUET, Leroux & Lotz Technologies, FRANCE

Christoffer BOMAN, Umeå University, SWEDEN

2AO.5.1**DEVELOPMENT AND VALIDATION OF A COMBINED 1D-FUEL-BED- AND 3D-CFD-MODEL FOR THE SIMULATION OF MOVING GRATE BOILERS**

Gabriel BARROSO, Lucerne University of Applied Sciences, Thermal Energy Systems and Process Engineering Dpt., SWITZERLAND

Co-authors: S. Roth, Lucerne University of Applied Sciences, Horw, Switzerland; T. Nussbaumer, Lucerne University of Applied Sciences, Horw and Verenum, Zurich, Switzerland

2AO.5.2**NEW CFD BASED MODEL FOR THE DESIGN AND OPTIMISATION OF POROUS BURNERS FOR BIOMASS COMBUSTION PLANTS**

Gerold THEK, Bios Bioenergiesysteme, R&D Dpt., AUSTRIA

Co-authors: G. Knauss, F. Biedermann, I. Obernberger, BIOS Bioenergiesysteme, Graz, Austria

2AO.5.3**A THEORETICAL AND EXPERIMENTAL STUDY OF THE FORMATION OF AROMATIC HYDROCARBONS (BTX/PAH) AS SOOT PRECURSORS FROM BIOMASS PYROLYSIS PRODUCTS**

Ali SHIEHNEJAD-HESAR, Bioenergy 2020+, AUSTRIA

Co-authors: H. Bahramian, A. Shiehnejadhesar, R. Mehrabian, P. Sommersacher, Bioenergy2020+, Graz, Austria; A. Anca-Couce, C. Hochenauer, R. Scharler, Institute of Thermal Engineering, Graz University of Technology, Austria

2AO.5.4**REDUCTION OF PARTICLE EMISSIONS FROM WOOD COMBUSTION EXHAUST GASES WITH HIGH PARTICLE NUMBER AND MASS CONCENTRATIONS**

Andrei BOLOGA, Karlsruhe Institute of Technology, Institute for Technical Chemistry, GERMANY

Co-authors: M. Ecker, HDG Bavaria, Massing, Germany; H.-P. Rheinheimer, CCA Carola Clean Air, Eggenstein-Leopoldshafen, Germany; H.-R. Paur, Karlsruhe Institute of Technology, Eggenstein-Leopoldshafen, Germany

2AO.5.5**EXPERIMENTAL STUDY ON THE BIOMASS-BIOMASS CO-COMBUSTION FOR REDUCING NOX IN A FLUIDIZED-BED COMBUSTOR: A COMPARISON BETWEEN THE CO-FIRING TECHNIQUES**

Vladimir KUPRIANOV, Thammasat University, Sirindhorn International Institute of Technology, THAILAND

Co-author: P. Ninduangdee, Phetchaburi Rajabhat University, Thailand

15:15 - 16:45

ORAL SESSION 3AO.6**Direct Liquefaction of Biomass in Hot Compressed Water and Hydrogenation of Products**

ROOM: K1

CHAIRPERSONS:

Frederik RONSSE, Ghent University, BELGIUM

Johannes NEUMANN, Fraunhofer-Institut UMSICHT, GERMANY

3AO.6.1**SLURRY HYDROCRACKING FOR UPGRADING OF LIGNOCELLULOSIC BIOMASS TO TRANSPORTATION FUELS IN EXISTING REFINERIES**

Olov ÖHRMAN, SP Energy Technology Center, SWEDEN

Co-authors: F. Weiland, H. Hedman, M. Gullberg, SP Energy Technology Center, Piteå, Sweden; C. Hultberg, SunCarbon, Tyngelsjö, Sweden

3AO.6.2**HYDROTHERMAL LIQUEFACTION OF RAW AND COMPONENTS-EXTRACTED MICROALGAE WITH ASSIST OF PULSED ELECTRIC FIELD PRETREATMENT**

Bingfeng GUO, Karlsruhe Institute of Technology, Institute for Catalysis Research and Technology, GERMANY

Co-authors: A. Silve, C. Gusbeth, W. Frey, U. Hornung, N. Dahmen, Karlsruhe Institute of Technology, Germany

3AO.6.3**H2CAP - HYDROGEN ASSISTED CATALYTIC BIOMASS PYROLYSIS FOR GREEN FUELS**

Martin HØJ, Technical University of Denmark, Chemical and Biochemical Engineering Dpt., DENMARK

Co-authors: M. Zingler Stummann, P. Arendt Jensen, A. Degn Jensen, DTU Chemical Engineering, Kgs. Lyngby, Denmark; J. Gabrielsen, Haldor Topsøe, Kgs. Lyngby, Denmark

3AO.6.4**HYDRODEOXYGENATION OF PRE-TREATED BLACK LIQUOR ON A BIMETALLIC CATALYST: EVALUATION OF CATALYST PERFORMANCE**

Christin ANACKER, Leibniz Institute for Catalysis at the University of Rostock, GERMANY

Co-authors: C. Anacke, U. Armbruster, A. Martin, Leibniz Institute for Catalysis at the University of Rostock, Rostock, Germany

3AO.6.5**ALTERNATIVES TO ZEOLITES FOR CATALYTIC FAST PYROLYSIS OF BIOMASS: MOLYBDENUM CARBIDE AND PT/TIO₂**

Joshua SCHAIDLE, National Renewable Energy Laboratory, National Bioenergy Center, USA

Co-authors: C. Mukarakate, M. Xu, M. Griffin, C. Nash, E. White, K. Iisa, M. Nimlos, D. Ruddy, National Renewable Energy Laboratory, Golden, USA

15:15 - 16:45

VISUAL PRESENTATIONS 4AV.2**Sustainability Assessment of Biomass Systems and Environmental Impacts of Bioenergy**

ROOM: Poster Area

See page 91

16:45 - 17:00

BREAK

17:00 - 18:30

ORAL SESSION 1AO.7**Biomass Supply Logistics**

ROOM: K21

CHAIRPERSONS:

Tapio RANTA, Lappeenranta University of Technology, FINLAND

Wolter ELBERSEN, Wageningen Research, THE NETHERLANDS

1AO.7.1**LOGISTICAL CASE STUDY FOR THE ARAGON REGION USING THE LOGISTICS TOOL**

Bert ANNEVELINK, Wageningen Food & Biobased Research, Biorefinery & Sustainable Value Chains Dpt., THE NETHERLANDS

Co-authors: E. Annevelink, Wageningen Food & Biobased Research, Wageningen, The Netherlands; D. Garcia Galindo, S. Espatolero, CIRCE Foundation, Zaragoza, Spain; I. Staritsky, Wageningen Environmental Research (Alterra), Wageningen, The Netherlands

1AO.7.2**SIMULATION-BASED ASSESSMENT OF THE PROPERTIES AND PERFORMANCE OF A BIOMASS TERMINAL**

Olli-Jussi KORPINEN, Lappeenranta University of Technology, Laboratory of Bioenergy, FINLAND

Co-authors: M. Aalto, T. Ranta, Lappeenranta University of Technology, Mikkeli, Finland; M. Virkkunen, J. Raitila, VTT Technical Research Centre of Finland, Jyväskylä, Finland

1AO.7.3**THE ENERGETIC RECOVER OF BIOMASS FROM RIVER MAINTENANCE: THE REBAF PROJECT**

Simone PEDRAZZI, University of Modena and Reggio Emilia, Department of Engineering "Enzo Ferrari" - Bio-Energy Efficiency Laboratory (BEELAB), ITALY

Co-authors: G. Allesina, N. Morselli, M. Puglia, L. Barbieri, I. Lancellotti, P. Tartarini, University of Modena and Reggio Emilia, Modena, Italy; E. Ceotto, CREA-CIN, Bologna, Italy; L. Giorgini, University of Bologna, Italy; A. Malcevski, University of Parma, Italy; C. Pederzini, Campogalliano Municipality, Modena, Italy

1AO.7.4**ANALYSIS OF A TRANSFORMATION PROCESS OF VINEYARD PRUNING INTO CHIPS BY A MICRO PLANT**

Carlo BISAGLIA, CREA-ING, ITALY

Co-author: E. Romano, CREA-ING, Treviglio, Italy

1AO.7.5**IDENTIFICATION OF ENERGY HUBS FOR THE EXPLOITATION OF RESIDUAL BIOMASS IN AN AREA OF WESTERN SICILY**

Salvatore LA BELLA, University of Palermo, Agricultural and Forest Sciences Dpt., ITALY

Co-authors: S. Orlando, C. Greco, T. Tuttolomondo, C. Leto, I. Cammalleri, University of Palermo, Italy

17:00 - 18:30

ORAL SESSION 2AO.8**Novel Technologies and Surface Chemistry in Large Utilities**

ROOM: K2

CHAIRPERSONS:

Lasse ROSENDAHL, Aalborg University, DENMARK

Vladimir KUPRIANOV, Thammasat University, THAILAND

2AO.8.1**LOW-TEMPERATURE CORROSION IN BIOMASS-FIRED COMBUSTION PLANTS - ONLINE MEASUREMENT OF CORROSION RATES, ACID DEW POINTS AND DELIQUESCENCE CORROSION**

Thomas BRUNNER, Bios Bioenergiesysteme, AUSTRIA

Co-authors: E. Reisenhofer, I. Obernberger, W. Kanizian, M. Forstinger, BIOS Bioenergiesysteme, Graz, Austria

2AO.8.2**INVESTIGATIONS ON THE FORMATION AND CLASSIFICATION OF SLAGS FROM COMBUSTION CHAMBERS OF BMHP PLANTS**

Jürgen REICHELT, IBR, GERMANY

Co-authors: G. Pfrang-Stotz, Karlsruhe Institute of Technology - ITC, Germany; B. Bergfeldt, Karlsruhe Institute of Technology -ITC, Germany

2AO.8.3**ASSESSMENT OF ASH AGGLOMERATION AND FOULING IN COMBUSTION BY THEORETICAL AND EXPERIMENTAL BIOMASS FUELS CHARACTERIZATION**

Lucio DE FUSCO, Université Catholique de Louvain, iMMC Dpt., BELGIUM

2AO.8.4**CHEMICAL-LOOPING COMBUSTION OF BIOMASS IN A 100 KW PILOT**

Carl LINDERHOLM, Chalmers University of Technology Göteborg, Energy and Environment Dpt., SWEDEN

Co-authors: A. Lyngfelt, M. Rydén, M. Schmitz, Chalmers University of Technology, Göteborg, Sweden

2AO.8.5**BIOMASS CO-FIRING STUDIES IN PILOT SCALE COMBUSTION SYSTEMS:
EFFECTS OF BIOMASS CO-FIRING METHODS TO IN-FURNACE NOX REDUCTION**

Won YANG, Korea Institute of Industrial Technology, Thermochemical Energy System R&D Group, REPUBLIC OF KOREA

Co-authors: T. Chae, J. Lee, Y. Lee, B. Kang, U. Lee, Korea Institute of Industrial Technology, Cheonan-si, Chungchungnam-do, Republic of Korea;; C. Ryu, Sungkyunkwan University, Suwon, Kyunggi-do, Republic of Korea

17:00 - 18:30

ORAL SESSION 3AO.9**Biorefinery Products**

ROOM: K1

CHAIRPERSONS:

René VAN REE, Wageningen University, THE NETHERLANDS

Maria GEORGIADOU, European Commission, DG Research, BELGIUM

3AO.9.1**ALKANE PRODUCTION FROM BIOMASS: A CHEMOCATALYTIC LIQUID PHASE
CELLULOSE-TO-NAPHTHA PROCESS**

Aron DENEYER, KU Leuven, Center for Surface Chemistry and Catalysis, BELGIUM

Co-authors: M. Dusselier, B. Sels, KU Leuven, Heverlee, Belgium

3AO.9.2**MAKING THE BRIDGE BETWEEN BIOMASS AND HYDROCARBON IN A
STANDARD REFINERY**

Marcelo PEREIRA, Universidade Federal do Rio de Janeiro, Chemistry Dpt., BRAZIL

Co-authors: J. Pinto, L. Soter, Universidade Federal do Rio de Janeiro, Brazil

3AO.9.3**CARBOHYDRATES AND FURANS FROM SEAWEEDES FOR FUELS AND
CHEMICALS**

Wouter HUIJGEN, Energy Research Centre of the Netherlands, Biomass & Energy Efficiency Dpt., THE NETHERLANDS

Co-authors: G. van Hees, A.T. Smit, J.W. van Hal, Energy Research Centre of the Netherlands, Petten, The Netherlands

3AO.9.4**FISCHER-TROPSCH SYNTHESIS: EFFECTS OF FEEDSTOCK LOAD CHANGES
REGARDING PRODUCT QUALITY AND CATALYST ATTRITION**

Hannes GRUBER, TU Wien, Institute of Chemical, Environmental & Biological Engineering, AUSTRIA

Co-authors: P. Groß, H. Hofbauer, C. Aichernig, TU Wien, Vienna, Austria; R. Rauch, Bioenergy 2020+, Güssing, Austria; R. Zweiler, j. Niel, D. Währinger, A. Reichhold, TU Wien, Wien, Austria; G. Weber, Bioenergy 2020+ GmbH, Güssing, Austria; J. Loipersböck, 2020+ GmbH, Güssing, Austria

3AO.9.5**PRODUCTION OF FUEL ETHANOL AND HIGHER ALCOHOLS FROM BIOMASS
RESIDUE**

Matthias BINDER, Bioenergy 2020+, AUSTRIA

Co-authors: M. Summers, C. Liao, M. Hoffman, M. Hart, West Biofuels, Woodland, CA, Usa; R. Seiser, U. Neimann, R. Cattolica, UC San Diego, La Jolla, CA, Usa; R. Rauch, Bioenergy 2020+, Güssing, Austria

17:00 - 18:30

VISUAL PRESENTATIONS 3AV.3**Fundamental Investigation of Liquefaction Processes**

ROOM: Poster Area

See page 95

19:30 - WELCOME RECEPTION