

Conference Programme & Tradeshow
Konferenzprogramm & Messe

European Pellet Conference

Europäische Pelletskonferenz 2018

28 February – 1 March 2018

28. Februar – 1. März 2018

WELS, AUSTRIA

*The largest annual
pellet event worldwide!*

**Die weltweit größte jährliche
Pelletsveranstaltung!**



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European Pellet Conference 2018

Europäische Pelletskonferenz 2018



With more than 500 participants every year, the European Pellet Conference held in Wels has become the largest annual pellet event in the world.

Programme

Plenary sessions

Presentations on policies, technologies, markets, innovation, financing, fuels

World Pellet Business & Technology Forum

Market place for product and service innovation, business models, financing and pricing

Pellet Market News Worldwide

Updates and outlook on European and global markets

Technical Site Visits: Pellets and Wood Chips

One-day trip with visits about fuels, equipment, exemplary installations

Poster Presentation

Opportunity to present biomass projects and products (e.g. EU projects)

Young Biomass Researchers Conference

A conference presenting the work and achievements of young researchers, award "Best Young Biomass Researcher"

Energiesparmesse - the "pellet tradeshow"

Leading tradeshow on renewable energy and energy efficiency with 100,000 visitors and more than 100 pellet-related exhibitors annually



Mit jeweils mehr als 500 Teilnehmer/innen ist die Europäische Pelletskonferenz in Wels die weltweit größte jährliche Pelletsveranstaltung.

Programm

Plenum-Sessions

Präsentationen zu Strategien, Technologien, Märkten, Innovationen, Finanzierung, Brennstoffen

World Pellet Business & Technology Forum

Marktplatz für Produkt- und Service-Innovationen, Geschäftsmodelle, Finanzierung, Preisgestaltung

Pellet Market News Worldwide

Updates zu europäischen und weltweiten Märkten

Fachexkursion Pellets & Hackschnitzel

Tagesexkursion (Brennstoffe, Kessel, Vorzeiganlagen)

Poster-Präsentation

Möglichkeit zur Präsentation von Pelletsprojekten (z.B. EU-Projekte) und Pelletsprodukten

Young Biomass Researchers Conference

Eine Konferenz zur Präsentation von Arbeiten junger Forscher/innen, Award "Best Young Biomass Researcher"

Energiesparmesse - die "Pelletsmesse"

Führende Messe mit 100.000 Besucher/innen, mehr als 100 Aussteller im Bereich Pellets

Timetable / Zeitplan

	Tuesday, 27 February Dienstag, 27. Februar	Wednesday, 28 February Mittwoch, 28. Februar	Thursday, 1 March Donnerstag, 1. März	Friday, 2 March Freitag, 2. März
Technical Site Visits: Pellets and Wood Chips Fachexkursionen Pellets & Hackschnitzel				
European Pellet Conference Europäische Pelletskonferenz				
European Energy Efficiency Conference Europäische Energieeffizienz Konferenz				
Technology Innovation Conference: Energy and Buildings Konferenz "Technologie-Innovationen: Energie und Gebäude"				
Young Energy Efficiency Researchers Conference				
Energy Efficiency Economy Conference Energieeffizienz Business Konferenz				
Young Biomass Researchers Conference				
Energy Efficiency Policy Workshop Energieeffizienz Strategie Workshop				
E-Mobility & Smart Buildings Conference Konferenz "E-Mobilität & smarte Gebäude"				
Technical Site Visits: Building Innovations Fachexkursion Gebäude-Technologie-Innovationen				
Tradeshow Energiesparmesse				

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28 February

09.00 Pellet policies and markets

Opening and welcome

- Michael Strugl, Deputy Governor of Upper Austria
- Gerhard Dell, OÖ Energiesparverband, Austria

Bioenergy markets and technology outlook

- Ute Collier, International Energy Agency

Policy update: biomass in the EU "Clean Energy Package"

- Nathalie Hemeleers, AEBIOM

Mapping the European heating sector

- Jan Steinbach, Fraunhofer ISI, Germany

Financing solutions for bioenergy

- Sophie Jablonski, European Investment Bank, Luxembourg

"Nearly zero emission" heating with wood and non-wood pellets

- Ingwald Obernberger, BIOS Bioenergiesysteme, Austria

Let's make pellets cool again

Home-grown renewable heat

- Maura Adams, Northern Forest Center, USA

Success for the pellet industry

- Manfred Faustmann, Windhager, Austria

What customers want

- Sabine Froning, Communication Works, Germany

Lunch break



28. Februar

09.00 Pelletsstrategien und -märkte

Eröffnung & Begrüßung

- LH-Stv. Mag. Dr. Michael Strugl, MBA, OÖ Landesregierung
- Dr. Gerhard Dell, OÖ Energiesparverband, Österreich

Bioenergie-Märkte und Technologie-Perspektiven

- Dr. Ute Collier, Internationale Energieagentur (IEA)

Update: Biomasse im EU "Clean Energy Package"

- Nathalie Hemeleers, MA, AEBIOM

Der europäische Wärmemarkt – Analyse und Ausblick

- Dr. Jan Steinbach, Fraunhofer ISI, Deutschland

Finanzierungslösungen für Bioenergie

- Dr. Sophie Jablonski, European Investment Bank, Luxemburg

Wärmenutzung von Holz- und Nichtholzpellets mit "Fast-Null-Emissionen"

- Prof. Dr. Ingwald Obernberger, BIOS Bioenergiesysteme, Österreich

Let's make pellets cool again

Heizen mit Pellets: erneuerbar und heimisch

- Maura Adams, Northern Forest Center, USA

Der Erfolg der Pelletsbranche

- Manfred Faustmann, Windhager Zentralheizung, Österreich

Was Kund/innen wollen

- Sabine Froning, Communication Works, Deutschland

Mittagspause



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28 February

14.00 New business for bioenergy

Thinking outside the box: sector-coupling for bioenergy

- Lukas Kranzl, Technical University Vienna, Austria

Digitising sales – illusion or real opportunity?

- Rainer Elste, Steinbeis-Beratungszentrum Vertriebs- und Marketinginstitut, Germany

The off-grid house

- Stefan Ortner, ÖkoFEN, Austria

Start-ups in the heating and renewable energy sector

- David Wortmann, DWR eco, Germany

World Pellet Business & Technology Forum

Update CHP-innovation from Upper Austria

- Wolfgang Aichinger, Fröling
- Anton Hofer, Hargassner

A paradigm shift for pellet plants

- Scott Bax, Pinnacle Renewable Energy, Canada

How to improve efficiency in pelletising

- Holger Streetz, Bathan AG, Switzerland

A new cost-effective additive for pelletisation

- Javier Gil, Cener, Spain

Reducing emissions of agricultural pellets

- Robert Mack, Technology and Support Centre (TFZ), Germany

Trading 1.2 million tons of bioenergy – logistics and storage

- Rene Hyde / Teit H. Hansen, CM Biomass Partners, Denmark

Cost reductions in the pellet supply chain

- Lotte Visser, Utrecht University, The Netherlands

Multi channel branding and marketing of wood pellets

- Emil Sopper, BayWa AG Energie, Germany

Nitrogen reduction and small-scale biomass combustion

- Christoph Schmidl, Bioenergy2020+, Austria

19.00 Evening programme



28. Februar

14.00 Neue Wege fürs Bioenergie-Business

Neue Geschäftsmöglichkeiten durch Sektorkopplung

- Dr. Lukas Kranzl, Technische Universität Wien, Österreich

Digitalisierung des Vertriebs – Illusion oder echte Chance?

- Prof. Dr. Rainer Elste, Steinbeis-Beratungszentrum Vertriebs- und Marketinginstitut, Deutschland

Das stromautarke Haus

- DI (FH) Stefan Ortner, ÖkoFEN, Österreich

Start-ups im Heizungs- und erneuerbaren Energie-Sektor

- Dipl.-Kw. David Wortmann, DWR eco, Deutschland

World Pellet Business & Technology Forum

Update KWK-Innovationen aus OÖ

- Prok. Ing. Wolfgang Aichinger, Fröling
- Ing. Anton Hofer, Hargassner

Ein Paradigmenwechsel für Pelletsanlagen

- Scott Bax, Pinnacle Renewable Energy, Kanada

Wie die Effizienz beim Pelletieren verbessert werden kann

- Dr. Holger Streetz, Bathan AG, Schweiz

Ein neues, kostengünstiges Additiv für die Pelletierung

- Dr. Javier Gil, Cener, Spanien

Reduktion der Emissionen von Agripellets

- Robert Mack, M.Eng, Technologie- und Förderzentrum (TFZ), Deutschland

Handel mit 1,2 Mio. Tonnen Bioenergie – Logistik und Lagerung

- Rene Hyde / Teit H. Hansen, CM Biomass Partners, Dänemark

Kostenreduktion in der Pelletslieferkette

- Lotte Visser, MSc., Utrecht University, Niederlande

Marken im Multi-Channel-Vertrieb von Pellets

- Emil Sopper, BayWa AG Energie, Deutschland

Stickstoff und die Biomasse-Verbrennung im kleinen Leistungsbereich

- DI Dr. Christoph Schmidl, Bioenergy2020+, Österreich

19.00 Abendveranstaltung





1 March

09.30 Pellet Market News Worldwide (in English only)

Opening

- Gordon Murray on behalf of the European Pellet Council

The Global Wood Pellet Industry and Trade Study 2017

- Kay Schaubach, DBFZ, Germany

US: what is happening and not happening in the US pellet market

- Stan Elliot, PFI Chairman, Pacific Coast Pellets

Russia: pellet production is booming

- Olga Rakitova, Infobio, The Bioenergy International

Finland: unfulfilled dreams of pellet energy

- Hannes Tuohiniitty, The Bioenergy Association of Finland

Austria: update on the Austrian pellet market

- Christian Rakos, proPellets Austria

UK: biomass suppliers list

- Helen Bentley-Fox, Woodsure

Germany: pellets in times of political changes

- Martin Bentele, DEPV

Hungary: raw material quality as a crucial factor

- Zsolt Janos Viharos, Hungarian Academy of Sciences

Spain: certification of mediterranean solid biofuels

- Pablo Rodero Masdemont, AVEBIOM

India: trends in the solid biofuel industry

- Suhas Patel, Saurashtra Agro Briquettes

Uruguay: a future pellet supplier

- Ignacio Fígoli, Ministerio de Industria, Energía y Minería

Chairperson: Gordon Murray, Wood Pellet Association of Canada

12.30 End of the session

09.30 Control strategies for the integration of biomass in future energy systems (in English only)

Welcome and introduction

- Markus Gölls, Bioenergy 2020+, Austria

Control strategies for biomass heating appliances

Novel control methods for existing heating appliances

- Daniel Büchner, DBFZ, Germany

Meeting future requirements for biomass combustion systems with modern control strategies

- Christopher Zemmann, Bioenergy 2020+, Austria

Integration concepts for biomass conversion appliances

Control concepts for increasing benefits of small CHP systems

- Christian Schraube, EIFER, Germany

Modular energy management of future cross-sectoral energy systems

- Daniel Muschick, Bioenergy 2020+, Austria

Chairperson: Markus Gölls, Bioenergy 2020+, Austria

This session is organised in cooperation with DBFZ and EIFER.

12.30 End of the session





A conference presenting the work of young researchers in the field of biomass (in English only)

1 March

14.00 Opening and welcome

Gerhard Dell/Christiane Egger, OÖ Energiesparverband

Impacts of operating parameters on microalgae densification and pellet quality ■ Hasti Hosseinizand, University of British Columbia, Canada

The Green P - urban parking areas for microalgae cultivation ■ Michael Zellinger, FH Wiener Neustadt / Bioenergy 2020+; Franz Theuretzbacher, FH Wiener Neustadt, Austria

Lipid extraction from chlorella vulgaris with hydrophilic ionic liquids ■ Sooridarsan Krishnan, Petronas University of Technology, Malaysia

Electricity generation in microbial fuel cells using cyanobacterial biomass ■ Soumya Pandit, Indian Institute of Technology, India / Ben-Gurion University, Israel

Impact of lignin extraction pretreatment on spruce hydrochar characteristics ■ Anna Partridge / Ekaterina Sermiyagina, Lappeenranta University of Technology, Finland

Preliminary assessment of char as gas filtering medium ■ Eleonora Cordioli, Free University of Bolzano, Italy

Miscanthus versus wood: slagging and methods for inhibition ■ Maria Gilbert, TU Bergakademie Freiberg, Germany

Modelling syngas production from agricultural waste for methanol synthesis ■ Patrik Šuhaj / Jakub Husár, Slovak University of Technology in Bratislava, Slovakia

Assessment and valorisation of adzuki bean waste via pyrolysis ■ Isah Mohammed, Abubakar Tafawa Balewa University Bauchi, Nigeria

Polyurethane-like polymer production from milk proteins ■ Bushra Chalermthai / Jens Schmidt / Juan Bastidas, Masdar Institute, United Arab Emirates

Energy production from milk-whey using energy from biogas ■ Jimmy A. Martínez, Universidad Nacional de Colombia - Sede Manizales, Colombia

Performance characteristics of biodiesel blends from used vegetable oil

■ Michael Ahimbisibwe, National Crops Resources Research Institute, Uganda

Impacts of different feedstocks on a 1 MW biomass gasification power plant

■ Archishman Bose, Politecnico di Torino, Italy; Tommaso Mura, Instituto Superior Tecnico Lisboa, Portugal; Denitsa Kuzeva, Eindhoven Institute of Technology, NL

Efficient value chains for heat production from energy crops

■ Oleksandra Tryboi, National Academy of Sciences, Ukraine

Real life emissions and efficiency gaps of firewood room heaters

■ Gabriel Reichert, Bioenergy 2020+, Austria

Utilising woody residues for bioenergy in the southern United States

■ Raju Pokharel, University of Idaho, USA

Ukraine: transition to biomass heating by 2050

■ Vitalii Zubenko, National Academy of Sciences of Ukraine; Alex Epik, Scientific Engineering Center "Biomass", Ukraine

Establishing regional bioenergy concepts in Southeast Europe

■ Shruti Athavale / Lorenz Strimitzer, Austrian Energy Agency, Austria

Implementing a biomass district heating project in Croatia

■ Valerija Vrček Habazin, North-West Croatia Regional Energy Agency, Croatia

Biogas in flexible electricity generation - opportunity or false hope?

■ Franz Theuretzbacher, FH Wiener Neustadt / Ervin Saracevic, TU Wien, Austria

Chairperson: Walter Haslinger, Bioenergy 2020+, Austria

19.00 Evening programme





Poster Presentations Biomass

Meeting energy demands of developing India: issues & challenges

- Divyanshu Sinha / Shatakshi Shukla, Rajiv Gandhi National University of Law, India

The potential of gasification char as energy source for South-Tyrol

- Stefano Piazzi, Free University of Bolzano, Italy

Biomass substitution potential in district heating in the Ukraine

- Viacheslav Antonenko, National Academy of Sciences of the Ukraine

Fuel characteristics of wood pellets

- Kim Seong-ho / Han Gyu-Seong, Chungbuk National University, Republic of Korea

Production of porous activated carbons from cellulose

- Ekaterina Sermyagina, Lappeenranta University of Technology, Finland

Legal aspects of biofuel exchange in the Ukraine

- Anna Pastukh, NGO Renewable Energy Agency, Ukraine

Designing a household anaerobic digester for rural areas in Sudan

- Omer Salim, Petrodar Operation Company, Sudan

Environmental impacts of energy from forest biomass in Portugal

- Tamiris Pacheco da Costa, University of Aveiro, Portugal

Chain processing to obtain fermentable sugar from switchgrass

- Kaniye Güneş / Büşra Çabuk, Ege University, Turkey

Robust instrumentation and control systems for gasifiers

- Prashant Kamble / Zakir Khan / Ian Watson, University of Glasgow, UK

Carbonised briquettes from a women and youth association

- Vicent Sseguya, Zibula Atudde Women & Youth Association, Uganda

Comparing instrumental methods for biomass ash analysis

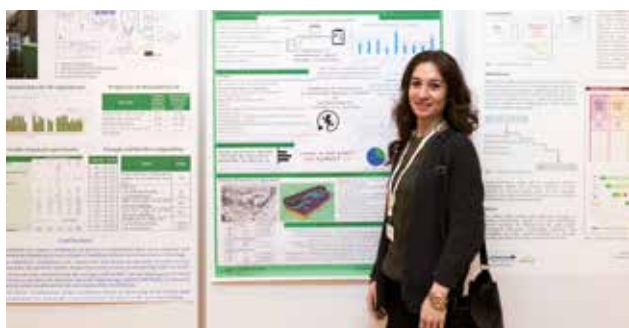
- Josef Farták, University of Chemistry and Technology Prague, Czech Republic

Prefeasibility analysis of the anaerobic digestion and co-digestion of oil palm

- Jimmy A. Martínez, Universidad Nacional de Colombia - Sede Manizales, Colombia

Emission reduction potential of improved cook stoves

- Jackson Mutegeki, Makerere University, Uganda



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Date 28 February – 1 March 2018

Venue Stadthalle Wels, Pollheimerstrasse 1, 4600 Wels, Austria

Conference languages
English, German

Conference fees

- 210 € for the Pellet Conference (28 February – 1 March)
 - 300 € for the Pellet Conference and site visits (27 February – 1 March)
 - 340 € for all WSED conferences (28 February – 2 March)
 - 420 € for all WSED conferences and site visits (27 February – 2 March)
 - for student fees see www.wsed.at
- All fees plus 10 % VAT

Organisation and conference office

OÖ Energiesparverband
Landstrasse 45, 4020 Linz, Austria
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office@esv.or.at, www.esv-en.at,
www.wsed.at
ZVR171568947, ATU 39283707

Registration

Please register online at
www.wsed.at

How to reach Wels?

- by railway: direct connections from Vienna & Vienna airport, Linz, Salzburg, Munich, Paris, Brussels, etc.
- by road: A1 and A25 motorways
- by air: airports in Linz (17 km from Wels), Vienna (222 km), Salzburg (110 km), Munich (247 km)

Datum 28. Februar – 1. März 2018

Ort Stadthalle Wels, Pollheimerstraße 1, 4600 Wels, Österreich

Sprachen
Deutsch, Englisch

Konferenzbeiträge

- 210 € für die Pelletskonferenz (28. Februar – 1. März)
 - 300 € für die Pelletskonferenz und die Fachexkursionen (27. Februar – 1. März)
 - 340 € für alle WSED Konferenzen (28. Februar – 2. März)
 - 420 € für alle WSED Konferenzen und die Fachexkursionen (27. Februar – 2. März)
 - Tagungsbeiträge für Studierende unter: www.wsed.at/dt
- Alle Beiträge zzgl. 10 % MWSt.

Organisation und Tagungsbüro

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Anmeldung

Bitte verwenden Sie die Online-Anmeldung auf: www.wsed.at/dt

Wie kommen Sie nach Wels?

- Bahn: direkt von Wien & Flughafen Wien, Linz, Salzburg, München, Berlin, Brüssel etc.
- PKW: Autobahnen A1 & A25
- Flugzeug: Flughäfen Linz (17 km von Wels), Wien (222 km), Salzburg (110 km), München (247 km)

Conference location/Konferenzort



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