



EUROPEAN
FORUM
ALPBACH



AUSTRIAN INSTITUTE
OF TECHNOLOGY



ALPBACH TECHNOLOGY SYMPOSIUM

#EFAtec

The Great
Transformation
August 26 – 27, 2021

As of: August 26, 2021

2021.alpbach.org

EUROPEAN FORUM ALPBACH 2021 TECHNOLOGY SYMPOSIUM

The Great Transformation

August 26 to 27, 2021, Alpbach/Tyrol

Preliminary programme

Organizers:

AIT Austrian Institute of Technology GmbH
Austrian Broadcasting Corporation – Programme Radio 1

Strategic partners:

Austrian Federal Ministry for Climate Action, Environment, Energy, Mobility,
Innovation and Technology
Austrian Federal Ministry of Education, Science and Research
Federation of Austrian Industries

Scientific partner:

Helmholtz-Gemeinschaft Deutscher Forschungszentren

Media partner:

APA

Please find updates of this programme on

<https://2021.alpbach.org/>

Contributing partners:

Climate and Energy Fund

EdTech Austria

Forschung Austria

ITG Innovations- und Technologietransfer Salzburg GmbH

Joanneum Research Forschungsgesellschaft mbH

NEFI New Energy for Industry

TU Austria

VFFI/Federation of Austrian Industries

Supporting partners:

Austrian Federal Ministry for Digital and Economic Affairs

Austrian Patent Agency

Silicon Austria Labs GmbH

PROGRAMME

THURSDAY, AUGUST 26, 2021

Presentation of plenary sessions

Andreas Jäger

Presenter and Journalist, Austrian Broadcasting Corporation, Vienna

9.00

Plenary session

Welcome and opening

Andreas Treichl

President, European Forum Alpbach, Vienna

Wolfgang Knoll

Scientific Managing Director, AIT Austrian Institute of Technology GmbH,
Vienna

RTI Talk

At the opening session of the Technology Symposium, the summit of Austria's research, technology and innovation community, leading representatives from the ministries and industry will discuss how Austria can become an "Innovation Leader" in Europe and make the location fit for the future.

Chair: Rosa Lyon

Presenter and Editor, Austrian Broadcasting Corporation, Vienna

Hannes Androsch

Industrialist, Androsch International Management Consulting, Vienna

Leonore Gewessler

Austrian Federal Minister for Climate Action, Environment, Energy, Mobility,
Innovation and Technology, Vienna

Christoph Neumayer

Secretary General, The Federation of Austrian Industries, Vienna

Margarete Schramböck

Austrian Federal Minister for Digital and Economic Affairs, Vienna

Barbara Weitgruber

Director General, Austrian Federal Ministry of Education, Science and Research, Vienna

10.00 Workshop (Liechtenstein/Hayek Hall)

10.15 Coffee break plenary session

10.30 Breakout Session 2 (Schrödinger Hall)

11.00 **Plenary session**

The complexity of great green transformations

Members of the young generation call for climate protection and demonstrate for their future. In this panel discussion, a representative of “Fridays for Future” will confront panelists from different sectors with these demands. The discussion will show how difficult the necessary transformation processes will be, why the green revolution is so difficult to accomplish, and where we currently stand on the way to the green transition: still at the beginning, on the right track or already too late?

Chair: Stefan Thurner

President, Complexity Science Hub Vienna; Full Professor for Science of Complex Systems, Medical University of Vienna

Leonore Gewessler

Austrian Federal Minister for Climate Action, Environment, Energy, Mobility, Innovation and Technology, Vienna

Helmut Haberl

Associate Professor, Institute of Social Ecology, University of Natural Resources and Life Sciences, Vienna

Katharina Rogenhofer

Spokesperson, Klimavolksbegehren; Activist, FridaysForFuture Austria, Vienna

Andreas Treichl

Chairman, ERSTE Stiftung; President, European Forum Alpbach, Vienna

Rudolf Zrost

Chairman of the Board, Leube AG, St. Leonhard

Plenary session in cooperation with Complexity Science Hub

12.30 Lunch break

14.00 **Plenary session**
RTI in the post-Covid era

From research to understand the virus to the development of a vaccine at break-neck speed: This has also been made possible by free-publishing research, a willingness to take risks with new methods – and lots of public money and the interest of pharmaceutical companies. What has also changed in the pandemic is the public and political status of science. What will be the impact of this on science, research and innovation beyond Corona? Has the system changed for good?

Chair: Birgit Dalheimer

Scientific Editor, OE1, Austrian Broadcasting Corporation, Vienna

Detlef Günther

Vice-President for Research, ETH Zurich

Jürgen Mlynek

Chairman, Board of Trustees, Falling Walls Foundation gGmbH, Berlin

Helga Nowotny

Member, Austrian Council for Research and Technology Development, Vienna;
Former President, ERC European Research Council

Peter Schwab

Member of the Management Board, voestalpine AG, Linz; President of the
Supervisory Board, AIT Austrian Institute of Technology GmbH, Vienna

Andrew Wee

Class of '62 Professor, Department of Physics, National University of Singapore

- 13.30 Breakout Session 5 (Liechtenstein/Hayek Hall)
- 14.00 Breakout Session 1 (Fichtensaal, Hotel Böglerhof)
- 14.30 Breakout Session 8 (Schrödinger Hall)
- 16.00 Plenary break
- 17.30 Breakout Session 6 (Liechtenstein/Hayek Hall)

17.00 **Plenary session**
Science for life

The rapid development of vaccines to fight Covid-19 was only possible because of many years of basic and applied research in this area. Once again it has shown the enormous importance of science and research. Learn more about this in our talk about science for life.

Chair: Birgit Dalheimer

Scientific Editor, OE1, Austrian Broadcasting Corporation, Vienna

Hannes Androsch

Industrialist, Androsch International Management Consulting, Vienna

Michaela Fritz

Vice Rector for Research and Innovation, Medical University of Vienna

Christoph Huber

Professor emeritus; Former Chairman, Department Hematology-Oncology, Johannes Gutenberg Universität Mainz, Innsbruck; Co-Founder, Scientific Advisor and Member of the Board, Biontech SE, Mainz

18.00 Plenary break

18.00 Breakout Session 4 (Schrödinger Hall)

19.00 **Plenary session**

The art of radical change

Climate change and the technological revolution are irreversible. The radical nature of changes in economy, politics, and education must correspond with the radical nature of the climate crisis and the technological revolution. The arts can make a significant contribution to digital and ecological education. Therefore, we must strategically introduce the arts into the great transformation. The panelists will discuss three elaborated theses about the art of radical change.

Gerald Bast

President, University of Applied Arts, Vienna

Corine Pelluchon

Professor of Philosophy, Université Gustave Eiffel, Marne la Vallée; Fellow, The New Institute, Hamburg

Katja Schechtner

Research Fellow, MIT Senseable City Lab, Boston

Christoph Thun-Hohenstein

General and Artistic Director, MAK – Museum of Applied Arts Vienna; Head, Vienna Biennale for Change

Plenary session in cooperation with University of Applied Arts, Vienna and Vienna Biennale for Change 2021

Immediately
followed by

Plenary session

Performance: Breath

While decades in the making, the current moment has led to a pointed question: how can we breathe again? Connecting recent developments in global ecological, biological and social systems, three artists will explore with the help of science and technology how we got here, what we can do and where we could go.

Gloria Benedikt

Research Artist, IWM Institute for Human Sciences, Vienna

Marietta Kro

Independent Artist, Vienna

Robert Weithas

Member, Vienna State Ballet, Vienna

FRIDAY, AUGUST 27, 2021

Presentation of plenary sessions

Andreas Jäger

Presenter and Journalist, Austrian Broadcasting Corporation, Vienna

9.00

Plenary session

Tickets to Berlin: Falling Walls Lab Austria & Summer School on Entrepreneurship

Young scientists and entrepreneurs have precisely three minutes to convince the Alpbach audience of their innovative ideas, research and business projects that have the potential to change the world. The prize is two tickets to participate in the Falling Walls Lab and Venture competitions in Berlin in November.

Chair:

Wolfgang Knoll

Scientific Managing Director, AIT Austrian Institute of Technology GmbH, Vienna

Jürgen Mlynek

Chairman, Board of Trustees, Falling Walls Foundation gGmbH, Berlin

Patrik Aspermair

Junior Scientist, AIT Austrian Institute of Technology GmbH, Vienna; Finalist, Summer School on Entrepreneurship 2021

Franck Courbon

Leverhulme Early Career Fellow, University of Cambridge; Finalist, Summer School on Entrepreneurship 2021

Daniel Kagerbauer

CTO and Co-Founder, Innox GmbH, Vienna; Finalist, Summer School on Entrepreneurship 2021

Martin Miltner

CEO, CTO and Co-Founder, Lignovations GmbH i.G., Vienna; Finalist, Falling Walls Lab Austria 2021

Keith Nyanhongo

Marketing Administrator, Agrobiogel GmbH, Tulln; Winner, Falling Walls Lab Austria 2021

Aija Pope

CEO, TerraWaste, Riga; Finalist, Summer School on Entrepreneurship 2021

Gerhard Prossliner & Christian Hill

Management, BRAVE Analytics GmbH, Medical University of Graz; Finalists, Summer School on Entrepreneurship 2021

Johanna Spreitzhofer

Research Engineer, Center for Energy, AIT Austrian Institute of Technology GmbH; Finalist, Falling Walls Lab Austria 2021

Sebastian Vogler

Co-Founder and Chief Executive Officer, Beetle ForTech GmbH, Tulln; Finalist, Falling Walls Lab Austria 2021

9.30 Breakout Session 9 (Liechtenstein/Hayek Hall)

10.00 Breakout Session 7 (Schrödinger Hall)

10.15 Coffee break plenary session

11.15 **Plenary session**

Quantum Computing

Quantum technologies will be decisive for the digital revolution at our doorstep. Tap-proof communications or sensing offer completely new possibilities for the information society. Quantum computers with so far unimaginable computing power open fascinating worlds in the fields of data processing and artificial intelligence. From complex digital materials development to independent analyses of high-precision medical imaging, this panel will discuss what lies ahead in the future.

Chair: Helga Nowotny

Member, Austrian Council for Research and Technology Development; Chair, ERA Council Forum Austria, Vienna

Welcome: Otmar Wiestler

President, Helmholtz-Gemeinschaft Deutscher Forschungszentren, Berlin

Rainer Blatt

Head, Quantum Optics and Spectroscopy Group, Department of Experimental Physics, University of Innsbruck, Innsbruck

Tommaso Calarco

Head of Institute Quantum Control, Forschungszentrum Jülich, Jülich

Hansjörg Dittus

Member of the Executive Board, DLR German Aerospace Center, Cologne

Kristel Michielsen

Group Leader Quantum Information Processing, Forschungszentrum Jülich, Jülich

Plenary session in cooperation with Helmholtz-Gemeinschaft Deutscher

Forschungszentren

13.00

Plenary (virtual) session

TU Austria Innovation Marathon

24 hours of product development - 5 Tasks, 10 Teams, participating from all over the world and collaborating online to solve challenging tasks posed by enterprises. In this plenary, the solutions and the challenging but successful ways to get there will be presented.

Chair: Mario Fallast

Project Manager, TU Austria Innovation Marathon, Graz University of Technology, Graz

Welcome (video statements):

Georg Knill

President, The Federation of Austrian Industries, Vienna

Claudia Mischensky

Vice Secretary General, The Federation of Austrian Industries, Vienna

12.45

Plenary break

13.30

Plenary session

Natural intelligence

Scientists try to develop models based on research data to predict future outcomes or help decision making processes. But how smart are those models? Is there such a thing as an intelligent artificial model that can create a novel decision? Why do many of those models fail and how can we improve the way we feed those norms?

Chair: Veronika Schöpf

Head of Department Natural Sciences and Engineering, FWF Austrian Science Fund, Vienna

Johannes A. Fraselli

Regular Professor, Center for Advanced Research in Sleep Medicine, Université du Québec à Trois-Rivières, Montréal

Onur Güntürkün

Head, Research Department of Neuroscience, Ruhr-University Bochum

Katta Spiel

Hertha-Firnberg Scholar; Project Assistant and PostDoc Researcher, Unit Human Computer Interaction, Vienna University of Technology, Vienna

14.50 **Plenary session**
Closing remarks

Wolfgang Knoll
Scientific Managing Director, AIT Austrian Institute of Technology GmbH,
Vienna

15.00 End of event

BREAKOUT SESSIONS

BREAKOUT SESSION 1

Fridays for future and Thursdays for research? Applied research for ‘The Great Transformation’ (in English)

(supported by Forschung Austria)

The session’s title suggests that research is the motor behind transformation. Hence, if Fridays are for the future, then Thursdays are for research. We will discuss particularly the role of applied research in the great transformation. What do we need to transform? What comes first? How can we do that? What is the role for RTOs (research and technology organisations)? What is the role of companies? How can politics and funding agencies put the right framework conditions in place?

Chair: Siegfried Reich

Managing Director and Head of Research, Salzburg Research
Forschungsgesellschaft mbH, Salzburg

Welcome: Gabriele Ambros

President, Forschung Austria; Chief Executive Officer, Holzhausen Scientific
Publishing, Vienna

Welcome and introduction (video statement):

Leonore Gewessler

Austrian Federal Minister for Climate Action, Environment, Energy, Mobility,
Innovation and Technology, Vienna

Brigitte Bach

Chief Operating Officer, Salzburg AG, Salzburg

Stefan Lechtenböhrer

Director, Future Energy and Industry Systems, Wuppertal Institut für Klima,
Umwelt, Energie gGmbH, Wuppertal

Klaus Pseiner

Managing Director, FFG Austrian Research Promotion Agency, Vienna

Alexander Ronacher

Head of Innovation, Technology and Research, Rosenbauer Group, Leonding

Katja Schechtner

Research Fellow, MIT Senseable City Lab, Boston

Johannes Stangl

Activist, Fridays for Future Austria; Junior Research, CSH Vienna

BREAKOUT SESSIONS AND WORKSHOPS

Coordination: Eva-Maria Hollauf

Research and Development, Salzburg Research Forschungsgesellschaft mbH,
Salzburg

BREAKOUT SESSION 2

Science or fiction? Keeping the future on tracks! (in English)

(supported by Austrian Federal Ministry for Climate Action, Environment, Energy, Mobility, Innovation and Technology)

The railway was an important innovator in the 19th century. In the last 150 years, however, the car and freight transport by roads have been established as a convenient means of transport but made mobility dependent on fossil fuels. Will the railway be able to establish itself as an innovator in the 21st century once again and lead our mobility system to climate neutrality? In 2050: What will research and technology development in Europe have contributed to and what will we not have failed at?

Chair: Sarah Bittner-Krautsack

Interim Head, Department of Mobility and Transport Technology, Austrian Federal Ministry for Climate Action, Environment, Energy, Mobility, Innovation and Technology

Nina Avramovic-Trninic

Head, Department Railway Technology, Austrian Federal Ministry for Climate Action, Environment, Energy, Mobility and Technology; Founding Member, Agenda Bahnindustrie Frauen, Vienna

Josef Doppelbauer

Executive Director, European Union Agency for Railways, Valenciennes Cedex

Jochen Holzfeind

Chief Technology Officer, voestalpine Railway Systems GmbH, Leoben

Simone Kimpeler

Head, Competence Center Foresight, Fraunhofer Institute for Systems and Innovation Research, Karlsruhe

Mark Topal-Gökceli

Head, Systems Technology & Production, ÖBB-Holding AG, Vienna

Coordination: Theresa Bauer

Advisor, Department of Mobility and Transport Technology, Austrian Federal Ministry for Climate Action, Environment, Energy, Mobility, Innovation and Technology, Vienna

WORKSHOP

New Work needs New Learning – how can we shape the digital education revolution?

(supported by ITG Innovations- und Technologietransfer Salzburg GmbH and EdTech Austria)

The Corona pandemic has unmistakably made us aware of the tremendous catching up we have to do regarding digitization in the education sector. But where do we need to start? Which solutions are the most promising? How can we focus on people and involve them in the process? And what can EdTech contribute to get Austria to the top of the class? We will discuss these questions and show best practice examples from Austria and Europe.

Chair:

Walter Haas

Managing Director, Innovations- und Technologietransfer Salzburg GmbH, Salzburg

Co-Chair:

Hannes Aichmayr

Project Leader EdTech Austria, Innovations- und Technologietransfer Salzburg GmbH, Salzburg

Participants Session 1

Märt Aro

Chairman, Nordic EdTech Forum; Founder, DreamApply, Tallinn

Sophie Bolzer

Founder and CEO, Audvice GmbH, Puch

Jörg Dräger

Member of the Board, Bertelsmann Stiftung, Gütersloh

Amelie Groß

Vice-President, Austrian Federal Economic Chamber, Vienna

Anna Iarotska

Founder and CEO, Robo Wunderkind, Vienna

Andrea Klambauer

Member of the Provincial Government of Salzburg for Housing, Childcare, Science and Integration, Salzburg

Felix Ohswald

Founder and CEO, GoStudent GmbH, Vienna

Manfred Tscheligi

Head of Center for Human-Computer Interaction, University of Salzburg; Head of Center for Technology Experience, AIT Austrian Institute of Technology GmbH, Vienna

Participants Session 2

Jakob Calice

Chairman, Die Innovationsstiftung für Bildung, Vienna

Jörg Dräger

Member of the Board, Bertelsmann Stiftung, Gütersloh

Daniela Gutschi

Member of the Provincial Government of Salzburg for Education, Nature and National Parks, Salzburg

Amelie Groß

Vice-President, Austrian Chamber of Commerce, Vienna

Andrea Klambauer

Member of the Provincial Government of Salzburg for Housing, Childcare, Science and Integration, Salzburg

Felix Ohswald

Founder and CEO, GoStudent GmbH, Vienna

Margarete Schramböck

Austrian Federal Minister for Digital and Economic Affairs, Vienna

BREAKOUT SESSION 4

Green Deal and the city – how to transform cities for livability and affordability? (in English)

(supported by Climate and Energy Fund)

Cities have marked the development of human civilization; amidst the climate crisis, they have to adapt to the pressing challenges ahead. The European Green Deal and the New European Bauhaus initiative are aimed at bringing about climate neutrality by 2050, transforming an entire continent towards sustainability. But issues regarding how to alter the existing housing stock remain to be answered: Can the needs of residents be aligned with climate protection, liveability, and economic growth?

Chair: Theresia Vogel

Managing Director, Climate and Energy Fund, Vienna

Presentation: Wojciech Czaja

Journalist, Author and Moderator, Vienna

Welcome (video statement): Leonore Gewessler

Austrian Federal Minister for Climate Action, Environment, Energy, Mobility, Innovation and Technology, Vienna

Georg Pendl

President, Architects' Council of Europe, Brussels

Ernst Rainer

Independent Architect; Member of the Committee „Raumplanung und Städtebau“, Austrian Federal Chamber of Civil Engineers, Graz

José Pedro Sousa

Architect, Professor FAUP, University of Porto

Ingeborg Strauß

Project Manager, SIR Salzburger Institut für Raumordnung und Wohnen, Salzburg

Nora Vranová

Member of the Board, Slovak Chamber of Architects, Bratislava

Coordination: Katja Hoyer

Public Relations Manager, Climate and Energy Fund, Vienna

BREAKOUT SESSION 5

The digital future of the European society

(supported by Joanneum Research)

Many utopias and visions of the 20th century have become reality because of the technological achievements in hardware and software. They open new possibilities and opportunities in all areas, but also provide a platform for conspiracy theories, lies and crimes. The JOANNEUM RESEARCH session will approach the topic from different angles. Foreseeable developments will be discussed, taking the role of research and science into account.

Chair: Heinz Mayer

Director, DIGITAL Institute for Information and Communication Technologies, Joanneum Research Forschungsgesellschaft mbH, Graz

Welcome (video statement): Barbara Eibinger-Miedl

Member of the Provincial Government of Styria for Economic Affairs, Tourism, Regional Affairs, Science and Research, Graz

Wolfgang Felber

Head of Department, Satellite Based Positioning, IIS Fraunhofer Institute for Integrated Circuits, Erlangen

Marc Hilbert

Team Lead - Machine Learning for Engineering and Production, Volkswagen AG, Munich

Patricia Neumann

Director General, IBM Austria, Vienna

Johanna Pirker

Assistant Professor, Institute of Interactive Systems and Data Science, Graz University of Technology, Graz

Manfred Prisching

Full Professor ret., Institute of Sociology, University of Graz

Stefan Seidel

Chief Technology Officer, Pankl Racing Systems AG, Kapfenberg

Coordination: Helmut Wiedenhofer

Head, Strategic Planning, Joanneum Research Forschungsgesellschaft mbH, Graz

BREAKOUT SESSION 6

Scientific policy advice (in English)

(supported by Austrian Federal Ministry of Education, Science and Research)

Science and politics can benefit from each other. This was impressively demonstrated in 2020. Nevertheless, the functional logics and interests of institutions and individuals in the two areas are by no means identical. The BMBWF breakout session will discuss with internationally recognized experts the conditions under which scientific advice for politics is successful.

Chair: Helga Nowotny

Member, Austrian Council for Research and Technology Development, Vienna;
Former President, ERC European Research Council

Welcome: Heinz Fassmann

Austrian Federal Minister of Education, Science and Research, Vienna

Günther Mayr

Head, Science Editorial Department, Austrian Broadcasting Corporation,
Vienna

Nebojsa Nakicenovic

Member of the Group of Chief Scientific Advisors to the European Commission;
Former Deputy Director-General/CEO, International Institute for Applied
Systems Analysis, Laxenburg

Elisabeth Puchhammer-Stöckl

Director, Center for Virology, Medical University Vienna

Eva Schernhammer

Deputy Director, Centre of Public Health, Medical University Vienna

Tobias Thomas

Director General, Statistics Austria, Vienna

James Wilsdon

Director, Research on Research Institute, Department of Politics, University of
Sheffield

Coordination: Patrick Svensson-Jajko

Research Policy Coordinator, Division V/1 - RTI Strategy, Knowledge Transfer,
Austrian Federal Ministry of Education, Science and Research, Vienna

BREAKOUT SESSION 7

Plastics? Sustainable! (in English)

(supported by TU Austria)

Plastics are essential in our daily life, yet their image is very negative. In fact, the majority of plastics are used in valuable products e.g. in medicine, mobility, infrastructure or energy transmission and thus contribute to many SDGs. This BOS deals with various aspects of plastic, including their environmental relevance and usage behaviour. How plastics fit into the Circular Economy Approach will be discussed and ideas on the sustainability increase of plastic products will be presented.

Chair: Peter Moser

Vice-Rector, Montanuniversität Leoben, Leoben

Welcome: Wilfried Eichlseder

Rector, Montanuniversität Leoben, Leoben

Harald Bleier

Technology Evangelist, ecoplus. The Business Agency of Lower Austria, St. Pölten

Thomas Brudermann

Assistant Professor, Institute of Systems Sciences, Innovation and Sustainability Research, University of Graz, Graz

Clemens Holzer

Chair of Polymer Processing, Montanuniversität Leoben, Leoben

Kerstin Kuchta

Vice-President Teaching and Professor, Institute of Environmental Technology and Energy Economics, Hamburg University of Technology, Hamburg-Harburg

Sabine Nadherny-Borutin

Secretary-General, PlasticsEurope Austria, Vienna

Kim Ragaert

Professor, Centre for Polymer and Material Technologies, Ghent University, Ghent

Coordination: Susanne Feiel

Head of Resources Innovation Center, Montanuniversität Leoben, Leoben

BREAKOUT SESSION 8

STEM (MINT). Changing the world with technology and innovation!

(supported by VFFI)

Our world is facing huge challenges, from Corona to climate change. The necessary transformations will profoundly change our economies and societies. Much is uncertain – but research, technology and innovation are indisputable gamechangers for a livable future. However, is Austria technophile enough to make the leap to the top of innovation? How can we open the door of research and innovation to our young in order to transform their loud street protest into solutions for our society of tomorrow?

Chair: Karin Bauer

Editor and Head „Karrierenstandard“, Der Standard Verlagsgesellschaft mbH, Wien

Welcome: Isabella Meran-Waldstein

Head, Research, Technology and Innovation, Federation of Austrian Industries, Vienna

Alexandra Bosek

Federal School Representative, Vienna

Barbara Weitgruber

Director General for Scientific Research and International Relations, Austrian Federal Ministry of Education, Science and Research, Vienna

Sabine Herlitschka

Chief Executive Officer, Infineon Technologies Austria AG, Villach; Vice-President, Federation of Austrian Industries, Vienna

Martin Moder

Writer; Member, Science Busters, Vienna

Thomas Sattelberger

Member of the German Parliament, Berlin

Katharina Unger

Entrepreneur and Inventor, LIVIN Farms AgriFood GmbH, Vienna

Coordination: Wolfgang Haidinger

Expert for Research, Technology and Innovation Policies, Federation of Austrian Industries, Vienna

BREAKOUT SESSION 9

**New energy for industry – industrial leadership through energy innovations
(in English)**

(in cooperation with NEFI New Energy for Industry)

The manufacturing industry is responsible for a significant share of global energy consumption and CO₂ emissions. The switch to renewable energies and the increase in energy efficiency to achieve the European climate protection goals pose great challenges for domestic industry. Nevertheless, the question for the transformation of the industrial energy system is no longer "if", but "how" it can succeed.

Chair: Wolfgang Hribernik

Head of Center for Energy, AIT Austrian Institute of Technology GmbH, Vienna;
Coordinator NEFI

Chair: Thomas Kienberger

Chair of Energy Network Technology, Montanuniversität Leoben; Head of NEFI
Lab

Will Hall

Head of Buildings and Industry for COP26, Department for Business, Energy
and Industrial Strategy, London

Sabine Herlitschka

Chief Executive Officer, Infineon Technologies Austria AG, Villach; Vice-
President, Federation of Austrian Industries, Vienna

Michael Losch

Special Envoy for Green Industrial Policy, Austrian Federal Ministry for Climate
Action, Environment, Energy, Mobility, Innovation and Technology, Vienna

Peter Pechtl

Managing Director, ENEXSA GmbH, Raaba-Grambach

Mark van Loon

Senior Vice-President Sustainability and Innovation, Wienerberger AG, Vienna

Theresa Vogel

Managing Director, Climate and Energy Fund, Vienna

Coordination: Margit Özelt

Senior Administrator, Center for Energy, AIT Austrian Institute of Technology
GmbH, Vienna

GENERAL INFORMATION

Registration form

Online on www.alpbach.org.

Participation fee

€ 1000,- including participation in the Technology Symposium and information material. Hotel and accommodation cost not included.

Hotel bookings

Kindly note that you can only request a room after you have registered as a participant at the European Forum Alpbach. Together with your registration confirmation we will send you a link to the reservation platform.

In order to place a booking request, kindly use the new central reservation platform. Our partners from the local incoming travel agencies have jointly set up the platform for the guests of the European Forum Alpbach.

Public transport in Alpbach

You will find detailed information regarding public transport and taxi services on the website www.alpbach.org.

Venue

A-6236 Alpbach, Tyrol

Plenary sessions

Alpbach Congress Center

Breakout sessions

Alpbach Congress Center and Hotel Böglerhof

Conference languages

Generally, the conference language is English, a few plenary sessions will take place in German and will be translated into English. In the working groups English or German are spoken (as stated in the programme of each working group).

Check-in

Conference office at the Alpbach Congress Center

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Organizers

AIT Austrian Institute of Technology GmbH
A-1210 Vienna, Giefinggasse 4

Austrian Broadcasting Corporation, Programme Radio 1
A-1040 Vienna, Argentinierstrasse 30a

Cooperation partners

APA
Austrian Federal Ministry for Climate Action, Environment, Energy, Mobility,
Innovation and Technology
Austrian Federal Ministry of Education, Science and Research
Federation of Austrian Industries
Helmholtz-Gemeinschaft Deutscher Forschungszentren

Organizing committee

Dr. Martin Bernhofer
Mag. Michael H. Hlava
Prof. Wolfgang Knoll

Information

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AIT Austrian Institute of Technology GmbH
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