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SWISS-US ENERGY INNOVATION DAYS 2015

Closing Conference
August 21, 2015, Zurich, Switzerland

SPEAKERS & PANELISTS



Walter Steinmann

Director, Swiss Federal Office of Energy (SFOE)

Dr. Walter Steinmann has been Director of the Swiss Federal Office of Energy since 2001. After graduating with a master's degree in Economics from the University of Zurich, he earned his PhD (Dr.rer.soc.) from the University of Konstanz and worked in different economic areas. From 1981 to 1994, he was responsible as a Delegate for Economic Promotion of the Canton Basel-Land and later as a Representative for Economic Promotion at the Canton of Solothurn. From 1994 to 2001, he held the position of the Managing Director at the Office for Employment and Economic Affairs, Canton Solothurn. He is member of the Governing Board of the International Energy Agency IEA in Paris, and of the International Atomic Energy Agency IAEA in Vienna. In addition, he heads the European Energy Award Forum in Berlin, as well as the Supervisory Board of the Funds for decommissioning Swiss nuclear power plants and nuclear waste disposal.



Daniel K ung

CEO Switzerland Global Enterprise (S-GE)

EDUCATIONAL QUALIFICATION

- | | |
|-------------|---|
| 1973 - 1979 | Studies of Macro and Micro-Economics at the Universities of Bern, Quito (Ecuador) and Commercial College of St. Gallen; Academic degree: lic. oec. HSG (Finance and Accounting) |
| 1959 - 1972 | School attendance in Ittigen/BE and Bern Qualification: Cantonal Commercial Certificate of qualification for higher education |

PROFESSIONAL ACTIVITIES

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| since June 2004 | CEO Switzerland Global Enterprise |
| 1987 - June 2004 | Founder and Managing Partner, Response Group, Lisbon (Portugal) |
| 1982 - 1987 | Founder and Managing Partner, AGROSUISSE Lda., S o Paulo (Brazil) |
| 1980 - 1982 | Assistant to the Executive Board and Office Manager of the Executive Officer for Sales, Mercedes-Benz do Brasil (S o Paulo) |
| 1975 - 1979 | Various industrial placements and short-term jobs in Zurich, Bern, Quito, Caracas and New York |
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Alicia Barton

**CEO Massachusetts Clean Energy Center
(MassCEC)**

As Chief Executive Officer of the Massachusetts Clean Energy Center, Alicia Barton is responsible for leading MassCEC's efforts to build a nation-leading clean energy economy in Massachusetts. Under Alicia's leadership, MassCEC has delivered targeted programs designed to accelerate innovation and assist the clean energy sector to achieve scale and drive down costs. MassCEC's efforts have helped deliver record job growth while driving the rapid expansion of clean energy projects in our state. In addition to her responsibilities as CEO, Alicia is a member of the Governor's STEM Advisory Council and serves on the boards of directors for key clean energy partners such as the New England Clean Energy Council (NECEC) Institute, clean tech incubator Greentown Labs, energy efficiency software company Retroficiency. She is also a member of the advisory boards for the Fraunhofer Center for Sustainability Energy Systems (CSE) and Cleantech Open Northeast. Prior to her appointment as CEO of MassCEC in 2012, Alicia held several positions within the energy and environmental agencies of the Commonwealth, including: Deputy Commissioner for Policy and Planning at the Massachusetts Department of Environmental Protection (2011-2012); Director of the Massachusetts Environmental Policy Act (MEPA) office (2008-2011); and Deputy General Counsel at the Executive Office of Energy and Environmental Affairs (2007-2008). Before joining state government, Alicia spent five years as an attorney with the Boston law firm Foley Hoag LLP in their environmental law practice. She obtained her Bachelors of Science from The Ohio State University, and earned her law degree at Boston College Law School.



Patrick Warnking

Country Director, Google Switzerland

Patrick Warnking today is Country Director Google Switzerland since January 2011. From 2007 to 2011 Patrick was Google Industry Leader in Germany for the industries Local, Media & Entertainment and Public. Together with his team his focus was to help clients from gaming, movie, music, TV, publishing and classified to scale business via digital. Clients like Bigpoint, Gameforge and Groupon have been scaled to up to 50 countries in less than 18 months. Prior to Google Patrick for 9 years was leading sales teams for Entertainment and digital advertising sales of ProSiebenSat Media, the largest TV Group in Germany. His roles included Head of Sales, Director Sales, Commercial Director. Patrick Warnking began his career with an apprenticeship at the WGZ Bank in Düsseldorf, followed by an Economics study at the University of Saarbrücken and an MBA at Steinbeis University Berlin / Bocconi University of Milan / Stern University in New York City.



Lino Guzzella
President ETH Zurich

Lino Guzzella has been full professor of thermotronics at ETH Zurich since 1999 and president of ETH Zurich since 2015. He was born on October 13, 1957 in Zurich. After receiving his mechanical engineering diploma in 1981 and his doctoral degree in 1986 from ETH, he held several positions in industry and academia. With his group he focuses in research on novel approaches in system dynamics and control of energy conversion systems. Control-oriented systems modeling, dynamic optimization and feedback control design methods are the main area of research. Among others he received the IEEE-MSC - Industry Award for Excellence in Translational Control Research, IEEE Control Systems Magazine Outstanding Paper Award, the SAE Arch T. Colwell Merit Award and the Ralph R. Teeter Educational Award, the IMechE Thomas Hawksley Medal and Crompton Lancaster Medal, the Energy Globe Award and the Golden Owl 2011 for Excellence in Teaching. Prof. Guzzella has published more than 100 research articles in peer refereed journals and conferences as well as two research textbooks.



Felix Moesner
Consul and CEO, swissnex Boston, Consulate of Switzerland

Dr. Felix Moesner is the CEO of swissnex Boston and the Consul of the Consulate of Switzerland. Established as the world's first "Science Consulate" in 2000, swissnex Boston is part of a global network in San Francisco (2003), Singapore (2004), China (2007), India (2009) and Brazil (2014) and an outpost in New York City, created in 2013. The mission of swissnex Boston is to promote knowledge exchanges between Switzerland and North America in higher education, technology, innovation, science and the arts. Formerly, Felix Moesner was the Head of the Science and Technology Office at the Embassy of Switzerland in Tokyo, promoting Swiss S&T and Education in Japan and interfacing between Swiss and Japanese governments, universities, R&D institutions and companies. Since 2005, he also held the presidency of the Science and Technology Diplomatic Circle in Tokyo and now in Boston. Felix Moesner, a graduate from ETH Zurich with research records at the University of Tokyo, Asia's leading university, specialized in robotics, MEMS and nanotech. He worked for Credit Suisse Life Insurance Japan, Toshiba Corporation, the Kanagawa Academy of Science & Technology, Synpulse and Egon Zehnder.

Panelists



Gina Domanig

Managing Partner, Emerald Technology Ventures

Panel moderation

Based in the Zurich office, Gina Domanig is the Managing Partner of Emerald Technology Ventures. In 2000 she founded Emerald as the first independent cleantech venture capital fund in Europe. Gina currently serves on the boards of Pelamis, SDC Materials, Synapsense and TaKaDu. Previously, she also represented Emerald as a director at Agraquest (acquired by Bayer in 2012) and Inge Wassertechnologies (acquired by BASF in 2011). Gina has over 25 years of international business experience including banking, M&A, strategic development, and venture capital. Prior to starting Emerald, she was senior vice president at Sulzer, a Swiss multinational, responsible for strategic planning and M&A. Gina holds MBA degrees from Thunderbird in Arizona and ESADE in Barcelona and is fluent in English, German and Spanish.



Linda Carre Looft

Assistant Vice-President of Government & Community Relations, Worcester Polytechnic Institute

Chair of Workshop A

Society & Economy – Sustainable Decision-Making

Linda Looft serves as senior liaison to federal, state, and local officials for the university's academic and research communities. In this capacity, she works closely with government agencies to obtain research funding in areas of strategic importance to WPI. Over the past five years, she has brought in more than \$15 million in grants to the university. Most recently, she helped secure an additional \$1 million in federal funding for the Center for Untethered Healthcare, part of the WPI Bioengineering Institute (BEI). She also manages advocacy for the Massachusetts Academy of Mathematics and Science at WPI and oversees many of WPI's high-profile events, including major conferences, VIP visits, and international events-on and off campus. In addition, she has helped secure federal, state, and local funding for the WPI Life Sciences and Bioengineering Center, a state-of-the-art research facility under construction in Worcester's Gateway Park, as well as the Precision Indoor Personnel Location System and transportation research.



Peter Richner

Deputy Director, Empa

Chair of Workshop B

Energy Technologies – Buildings and Districts for the Future

Dr. Peter Richner graduated in chemistry from ETH Zurich. After a postdoc in the US, he built up a new research group at Empa in the area of ultra trace analysis. Later on, he became head of the Laboratory for Corrosion and Surface Protection. Since 2002 he is head of the Department of Civil and Mechanical Engineering at Empa and since 2012 he also acts as Deputy Director. Peter Richner is active in many national and international bodies. He initiated the NEST project (nest.empa.ch) and he also leads the Swiss Competence Center in Energy Research “Future Energy Efficient Buildings and Districts” www.sccer-feebd.ch.



Nick Nigro

Founder of Atlas Public Policy

Chair of Workshop C

Mobility – Future Supply and Demand

Nick Nigro is the founder of Atlas Public Policy, a technology firm whose mission is to equip businesses and policymakers to make strategic, informed decisions. Atlas helps address today's social challenges by building open-source tools to access and interpret the flood of publicly available data and information. Atlas will arm its audience with the information necessary to encourage the use of new technologies and products along with changes in consumer behavior. Prior to creating Atlas, Nick was the Senior Manager of Transportation Initiatives at the Center for Climate and Energy Solutions (C2ES), contributing to C2ES's strategy on saving oil and reducing greenhouse gases from the transportation sector. He led two multi-year initiatives to accelerate the deployment low-carbon vehicles. One initiative created innovative business models that could accelerate the deployment of alternative fuel vehicles and fueling infrastructure, the second focused on policy reform and state action to facilitate nationwide electric vehicle deployment.



Arno Schlueter

**Chair of Architecture and Building Systems,
Institute of Technology in Architecture, ETH
Zurich**

Chair of Workshop D

**Architecture & Space – Energy as Context or
Driver**

Arno Schlueter is Professor of Architecture and Building Systems at the Institute of Technology In Architecture (ITA) at the Department of Architecture, ETH Zürich. He holds a degree in architecture from the Technical University of Karlsruhe, a postgraduate Master of Advanced Studies in CAAD and a PhD in building systems from ETH Zürich. In his work he focuses on sustainable building systems, their integration into architecture and urban design using computational methods for design, analysis and optimization. In 2009 he co-founded the ETH spinoff KEOTO AG, where he is currently part of the management board. In 2010 he was appointed Assistant Professor of Architecture & Sustainable Building Technologies (SuAT) and in 2014 Full Professor of Architecture and Building Systems (A/S) at the Institute of Technology in Architecture (ITA), ETH Zurich. Since 2013 he is also module leader at the Future Cities Lab (FCL), Singapore. Along with his team his work has been published in scientific journals, magazines and books and was awarded several prizes. Arno Schlueter is member of the ETH Energy Science Center (ESC) and the ETH Foundation Partnership on Sustainable Construction.

Concluding speeches



Suzan G. LeVine

**Ambassador of the United States of America to
Switzerland and Liechtenstein**

Suzan “Suzi” LeVine took up her position as the United States Ambassador to Switzerland and Liechtenstein in June 2014. At the outset of her Ambassadorship, she conducted a lengthy listening tour to understand the opportunities and areas for growth in the relationship. Building on those conversations, she and the Embassy team collaborated closely with their Swiss counterparts to drive outstanding economic results, increase a long-term focus on global security, and raise awareness and appreciation for the countries’ respective policies, values, and cultures. Among the many achievements resulting from that collaborations are the first-ever bilateral White House company roundtable, at which 8 Swiss companies announced \$3B in investments in the following year alone; cooperation on an initiative with a broad array of Swiss companies to implement Swiss-style

apprenticeship programs in the United States; and support for funding efforts to launch GCERF (The Global Community Engagement and Resiliency Fund), a multi-lateral organization aimed at countering violent extremism. What prepared Suzi for her role as Ambassador was her diverse and non-linear career focusing on education, technology, community, innovation, travel, social responsibility, and youth outreach. In a professional capacity, she worked at Microsoft as a Director and at Expedia as a Vice President. Twice during her career, she was a stay-at-home mom, during which time she co-founded two non-profit organizations – an innovative Jewish community model, The Kavana Cooperative, and an advisory board for an early learning research institute at the University of Washington, ILABS – the Institute for Learning and Brain Sciences. Suzi is a graduate of Brown University with a Bachelor of Arts in English and a Bachelor of Science in mechanical engineering with aerospace applications. She and her husband have two children, with whom they enjoy hiking, biking, traveling and playing with their dog. She can be reached on Facebook & @AmbSuzi on Twitter.



Doris Leuthard

Federal Councillor, Minister of Environment, Transport, Energy and Communications of Switzerland

As head of the Federal Department of the Environment, Transport, Energy and Communications (DETEC), Federal Councillor Doris Leuthard is one of the seven members of the Federal Council, Switzerland's Government. DETEC's strategy focuses on the principles of sustainable development, which are implemented in terms of policy in the fields of the environment, transport, energy, communications and spatial development. Before taking the helm of DETEC on 1 November 2010, Federal Councillor Leuthard was head of the Federal Department of Economic Affairs (FDEA) from August 2006 to October 2010. During this time, she was responsible for the labour market, vocational education and training, technology, innovation, agriculture, housing, national economic supply and trade policy. She represented Switzerland at international organizations including the WTO, OECD, FAO and the World Bank and chaired the EFTA Council. In 2010, Doris Leuthard was President of the Swiss Confederation. From 1999 to 2006, Doris Leuthard served as a member of the Swiss Parliament. During this time, she was a member of the following committees: legal affairs, political institutions, judicial, economic affairs and taxation. From 2004 to 2006, she was president of the Christian Democratic People's Party. Born in 1963, Doris Leuthard studied law at the University of Zurich and completed language and study courses in Paris and Calgary. She was a partner in a law firm. She is married to Dr. Roland Hausin.

Moderation



Marianne Zünd

**Head of the media & politics division, Swiss
Federal Office of Energy (SFOE)**

Marianne Zünd is Head of the media & politics division, chief communication officer and member of the management board of the Swiss Federal Office of Energy SFOE since 2003. Prior to this assignment she worked at the Swiss Nuclear Safety Inspectorate ENSI as a manager of Swiss bilateral technical cooperation projects in the field of nuclear safety and of ENSI's regulatory nuclear safety research program and was board member of the Center for Nuclear Safety in Eastern Europe (CENS) in Bratislava. Before that she was a senior consultant at Amstein + Walthert AG Consulting in Zurich where she established a corporate R&D program and was mandated as deputy managing director of Novatlantis at ETH Zurich. Marianne started her professional career as a scientific officer at the Swiss Federal Office for Education and Sciences responsible for the management and coordination of Swiss participants in the R&D framework programs of the European Union. From there she moved on to Swissmem (Association of the Swiss mechanical and electrical engineering industries) where she acted as the national contact point for European R&D programs (Energy, EURATOM, Industrial Technologies) and national coordinator of the ESA technology transfer program (European Space Agency). Marianne holds a MSc in Plant Physiology from the University of Bern, and a Postgraduate Diploma in Research and Higher Education Policy from the Federal Institute of Technology in Lausanne (EPFL).
