# IES
## Integrating the Energy System
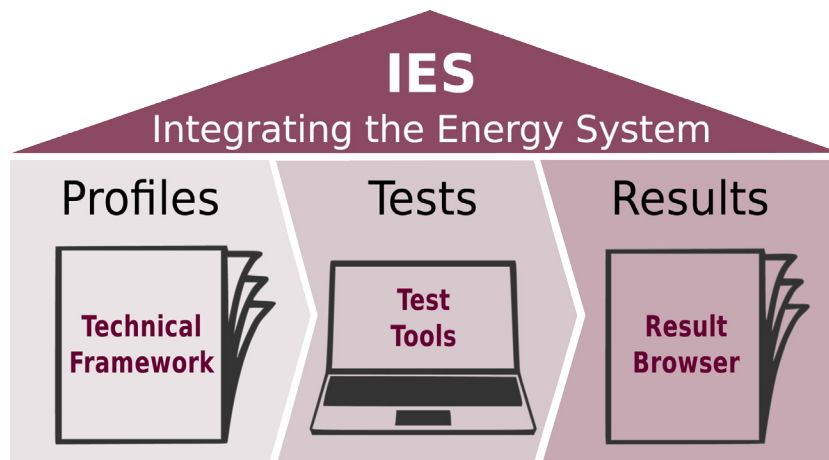
## Connectathon ENERGY
SET-Plan Symposium on Interoperability
January 28-31 - 2019 - Vienna/Austria

Integrated SET-Plan

# SET-Plan Symposium
## on Interoperability
## 30th January 2019 - Vienna

**IES**
Integrating the Energy System

**Profiles**
Technical Framework

**Tests**
Test Tools

**Results**
Result Browser

# Agenda of the Symposium:

**Starting at 10:00**
## Session on strategic aspects of interoperability
*Learn about the importance of interoperability in general and for the Energy sector in Europe, and hear about an existing realisation from the eHealth area*
- Welcome to UAS Technikum Wien, Fritz Schmöllebeck, Rector of the University of Applied Sciences Technikum Wien
- IES offers a full range process chain for interoperability, Angela Berger, Project Lead IES Austria
- Keynote to the vision of digitalisation, Alexander Markowetz, Chief Visionary Digitalisation
- Activities on the European SET-Plan, Marc van Stiphout, DG Energy
- ETIP SNET position on digitalisation, Maher Chebbo, Vize-Chair ETIP SNET
- Implementation Plan SET-Plan Action 4, Michele de Nigris, Co-Chair Member States Working Group
- Best practice example from healthcare sector, Günter Rauchegger, Managing Director ELGA GmbH

## Lunch break

**Starting at 13:30**
## Behind the scenes tour Connectathon test floor
- What is a Connectathon?, Stefan Sauermann, Key Researcher Interoperability and Standards, UAS Technikum Wien

**Starting at 14:15**
## Session on practical views to interoperability
- VHPready at Connectathon Energy: reasons and targets, Klaus Dieter Walter, VHPready
- Impact on Architectures, Business models and roles of Actors, Natalie Samovich, Enercoutim/AIOTI
- Interoperability from the viewpoint of a component vendor, Stephan Hutterer, Sprecher Automation

## Coffee break

**Starting at 16:00**
## Kick-off IES Europe: Panel Discussion
*Official Kick-off for the SET-Plan Activity Action 4 (A4-IA0-5)*
- Become part of the IES Europe Community
- Bring the IES Initiative to your regional energy community

# The Speakers:

### Angela Berger, Project Lead IES Austria, Austria

Angela Berger studied Control Engineering at the Technical University of Vienna.
From 1996 she worked at Siemens Austria in different business units (energy sector, medical technology, telecommunication and Corporate Information Office) as software engineer, in the project and quality management. Since September 2013 Mrs. Berger is the managing director of the Technology Platform Smart Grids Austria. She is currently managing projects of the technology platform with a focus on technological solutions and their market transition and for interoperability of smart grid systems.
Since 2018 Angela Berger is also managing director of the Association of the Austrian Railway Industry. Among other topics she is responsible for the framework conditions for research and education in this sector.

### Maher Chebbo, General Electrics and Vise Chair ETIP SNET, France

Maher is leading GE Global Digital Energy Solutions as Senior Executive SVP, Chief Business Innovation Officer, covering Power Generation, Grids, Storage, Renewables & Energy Efficiency Services. He joined General Electric in 2017 based in Paris, France. He led the Power Digital Transformation P&L Business within Power transforming GE Industrial Customers to become full Industrial Digital, leveraging his 30 years of Digital experience in the market.
Before GE, Maher spent 21 years with SAP where he had several local, regional and global leadership positions focusing on Solution Engineering, Global Field Operations, Software innovation & development through incubating new products, Industry business development, Value Engineering and General Management.
Beside his role at GE, Maher is Chairman of the GB of REEEP, President of ESMIG, Vice-Chairman of ETIP SNET Executive Committee and Chairman of its Digital Energy group. Maher is also member of the Scientific Audit Committee of TNO.

### Michele de Nigris, Co-Chair SET-Plan implementation Working Group 4, Italy

Michele de Nigris is Director in RSE, a publicly owned research centre in Italy, where he leads the Department of Sustainable Development and Energy Sources. Mr. de Nigris is an international leader in the field of smart grids and system integration of renewable energy sources. He is active in the International Energy Agency and leads several European SET Plan initiatives addressing the development of energy systems. He leads the Set Plan implementation Working Group 4 on Secure and Resilient energy system.

### Alexander Markowetz, Chief Visionary Digitalisation, Germany

Alexander studied Computer Science in Marburg, Riverside and New York. He then earned his PhD from The Hong Kong University of Science and Technology. From 2009 until 2016, Alexander held an Assistant Professorship at the university of Bonn. Currently, he advises politicians and business leaders on digitalisation strategy. With Michaela Philipze, he initiated Integrating the Publishing Environment (IPE).

### Günter Rauchegger, Managing Dircetor ELGA GmbH, Austria

Mr. Rauchegger is engaged in the health sector for 20 years, he started with developing and operating an international data exchange system for allograft rejection monitoring in heart transplant recipients. Later at the Austrian Institute of Technology, he was responsible for EU Projects and the implementation of medical research networks for international multicentre clinical trials in the field of oncology research. From 2011 he was technical expert and program manager at the ELGA GmbH responsible for the development of the role-based authorization and access control system for the Austrian electronic health record ELGA the national e-health information exchange network. Since 2017 he is managing director of the ELGA GmbH and works on the strategic expansion of ELGA towards a generic national e-health infrastructure. As a member of the standardization body HL7-Austria and as board member of IHE-Austria, he has a straight focus on international standardization with the goal of cross-system interoperability.

### Natalie Samovic, Enercoutim/AIOTI, Portugal

Natalie is heading Research and Innovation projects at Enercoutim based in Lisbon, within digitalisation in the energy domain and DER RES at Solar Demonstration platform and Solar Lab projects´ located in the Algarve region. Natalie Chairs Working group on Smart Energy at the Alliance of IoT Innovation (AIOTI) and contributes her expertise within ETIP-SNET WG 1 on Smart Grids. She is developing spin-off ventures in digitalisation of energy and distributed renewable energy production projects. She co-authored papers on semantic interoperability and the related business models in the energy sector.

### Stefan Sauermann, University of Applied Sciences Technikum Wien, Austria

Mr. Sauermann started as a researcher at the Medical University of Vienna.
Since 1999 he was a lecturer at UAS Technikum Wien and 2011 Program Director of the Biomedical Engineering Sciences Master degree study program. He is Key Researcher in the Research Focus „Secure Services, eHealth & Mobility" at UAS TW. He is active in national and international projects, connected to the implementation of ELGA in Austria, and generally in the fields of interoperability and standards for telemonitoring and eHealth.
From 2003 - 2015 he was chair of the "Austrian Standards Institute" committee „Medical Informatics", a mirror to ISO TC215 and CEN TC 251. He contributes to standardization within IEEE, HL7, as founding member of IHE Austria, and as co-chair of the PCHA EU Working Group.

### Mark van Stiphout, DC Energy, Belgium

Mark van Stiphout is currently Deputy Head of Unit in DG Energy in the unit that is responsible for research and innovation, including Horizon 2020 and the Strategic Energy Technology Plan.
Until the 1st of November 2014 he was a member of the Cabinet of the Commissioner for Energy, Günther H. Oettinger, who he advised on nuclear energy and energy research, as well as smart grids, retail markets and the relations with Russia. This included for example the Commission's work on nuclear safety and the trilateral negotiations with Russia and Ukraine on gas supply.
Previously he was assistant to the Director-General for Energy, and from 2006 to 2010 he was responsible for the liberalisation of the internal market for natural gas as Policy Officer in DG Energy in the Electricity and Gas Unit.
Previous roles include consultancy on renewable energy projects, at Ecofys, with focus on generating energy from biomass, and market analyst at Cogas Energie.
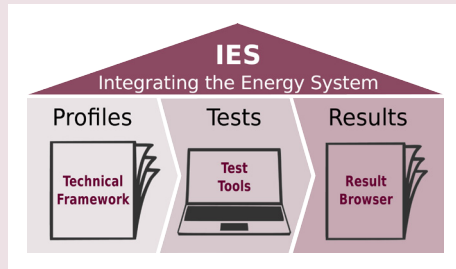
### Klaus-Dieter Walter, SSV Software Systems GmbH and VHPready, Germany

Klaus-Dieter Walter studied electrical engineering and industrial electronics in the late 70s. After countless industrial communications projects with mainframe integration, different field busses and later industrial Ethernet, Walter works now as CEO for SSV Software Systems GmbH in Hanover, Germany. Klaus-Dieter Walter is well known through numerous lectures at international events, seminars, workshops and articles in professional journals. He has published four books on Embedded Linux, Embedded Internet and ARM-based microcontrollers. At the beginning of 2007, Klaus-Dieter Walter actively contributed to the founding of the M2M Alliance e.V. in Aachen and was a member of the Executive Board for many years. In addition to his role as CEO, Walter serves as a board member of the VHPready Industrial Forum to set a standard for communication in virtual power plants and as member of the expert group Internet of Things (IoT) – National Digital Gipfel Germany.

# IES - Integrating the Energy System

IES develops a modular process chain to ensure the interoperability of electronic data exchanges in smart grids and future smart energy systems.



## The three pillars of the IES process chain

**Profiles**   IES supports the development of specifications in integration profiles based on real world use cases.

**Tests**   Vendors use IES software tools and integration profiles to test their software products for interoperability.

**Results**   IES publishes integration profiles and successful interoperability test results in an online results browser.

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*"Interoperable means easy: we need to make the energy transition as easy as possible for citizens and businesses."*
**Mark van Stiphout**

*"Our experiences in ELGA clearly show that interoperability is key for any sustainable solutions. The more complex the environment, the higher the demand for a common framework - on a technical, semantic, and process level."*
**Günter Rauchegger**

*"Interoperability is an enabler for the successful transition of the energy system and fosters competition, thereby increasing product quality and performance at lower costs."*
**Angela Berger**

*"We should unlock all the barriers that slow down the speed of our Energy Transition. Interoperability, standardization and interchangeability have helped Smart Metering to be widely established in Europe (72% by 2020) and will help Smart-Grids and Sectors coupling to become a reality"*
**Maher Chebbo**

*"In terms of voltage and frequency, our European wide area synchronous grid has been demonstrating for decades how important interoperability is. For the data interfaces of decentralized energy systems, we should strive as quickly as possible for a comparable state."*
**Klaus Dieter Walter**

*"Interoperability is a prerogative to well orchestrated, resilient and highly participatory European Open Energy Marketplaces linking consumers, producers, prosumers within the dynamically developing transactive grid paradigm. The challenge and the opportunity lie beyond technological solutions."*
**Natalie Samovich**

*"Interoperability is key to real benefits from the digital world, in medicine, as well as in the energy transition!"*
**Stefan Sauermann**

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## Sponsors of the Event



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