

## Josef Kamleitner

OMNETRIC GmbH, Wien



**Tuesday, 29<sup>th</sup> October 2019, 16:00 s.t.**

TU Wien, Institut für Angewandte Physik, E134  
1040 Wien, Wiedner Hauptstraße 8-10  
Yellow Tower „B“, 5<sup>th</sup> floor, SEM.R. DB gelb 05 B



### Digital transformation in the energy sector and IoT

Integration of renewables, rollout of smart meters, market liberalization and cost reduction are the main challenges in the energy sector. OMNETRIC helps the actors in the energy market to turn these challenges into opportunities, by using new technologies and data analytics. Recently, becoming part of Siemens IoT Solutions, the business was broadened to Internet of Things in general, including a focus on the MindSphere platform.

Besides presenting OMNETRIC and currently ongoing work, I also want to share my personal experience with career paths in science and industry. If you as a physics student are asking yourself what is the right choice, I cannot give you a direct answer for the one or the other, but point out pros and cons and my personal decision for industry.

**Josef Kamleitner** received his masters degrees from the TU Wien. After the master thesis "Neutral Na beam plasma edge diagnostic at ASDEX Upgrade" in Technical Physics in the area of plasma physics (nuclear fusion) in 2009, he stayed in the fundamental research for the energy sector and completed a master thesis on "Numerical methods in quantum propagation" in Technical Mathematics in 2010. He then returned to plasma physics for his PhD thesis "Suprathermal electron studies in Tokamak plasmas by means of diagnostic measurements and modeling" at the EPFL in Lausanne, Switzerland.

In 2015, he left the scientific career path, but stayed in the energy sector. He started as a data scientist at OMNETRIC in Vienna, where he conducted several data analytics projects and currently works in the position of a senior data scientist.

All interested colleagues are welcome to this seminar lecture (45 min. presentation followed by discussion).

Friedrich Aumayr  
(LVA-Leiter)