

## ENERGYPOLIS SEMINAR

23.05.2019, 14:00 I13 0 09 - Grande Dixence Seminar room

### e-Infrastructure to compile and provide e- Learning Content and Engineering Tools

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NET-Tools project extends the scope in providing digital educational materials and new e-tools for courses and e-learning and supplying these to the European lecturer and student's community. The supply of high quality teaching and learning material is essential in building the vast human resources needed for the further development and maintenance of FCH – technologies, infrastructures and installations expanded meanwhile to very different areas. The university type material developed within the project shall be useable for specific target groups (e.g., FCH-industry, junior researchers, regulators, first responders) but also schools since the curriculum structure is generally valid. To provide e-tools and educational materials to the respective community the integrated architecture of the NET-Tools digital platform is conceived based on detail understanding of distributed multilevel knowledge transfer processes in selected generic cases. Specific features of the platform shall consist on the development of an advanced virtual networking space with a large flexibility in integrating different types of applications able to be tailored based on the needs of the FCH community and sustainable development problems in order to make learners adaptable to changing contexts.

The presentation will give an overview on the state of the development of the digital infrastructure and e-learning materials and like to motivate cooperation in developing new e-tools and provision of already existing teaching materials.

#### References:

[1] [www.h2fc-net.eu](http://www.h2fc-net.eu)



#### CV: Prof. h.c. Olaf JEDICKE

Olaf Jedicke; studied theoretical physics at University of Karlsruhe; He started his professional career at Fraunhofer Community (Institute for Chemical Technology, Pfinztal) in developing high speed optical measurement techniques and in investigating practically fast dynamic deformation processes of polymeric materials. In parallel investigations of thermodynamic properties of sub- and super critical water, to apply for the extraction of fine chemicals from lignocelluloses materials. In 2005 Olaf Jedicke took up a lead position at Project Management Agency PTKA, which acts in behalf of the national Ministry of Education and Science (BMBF). Since 2011 he is scientific manager at Institute of Nuclear- and Energy-Technology (IKET) at the Karlsruhe Institute of Technology (KIT). He is teaching Higher Mathematics and Numeric at Baden Württemberg State University, Hydrogen Technology at KIT Karlsruhe and Energy Technologies at IEES-BAS in Sofia. Olaf Jedicke is member of the executive board of FCH-JU 2.0 Brussels (Hydrogen Europe Research) and member of the executive board of IA-HySafe. He acts as member in different scientific committees concerning international conferences with general scope on fuel cells and hydrogen technologies and safety (e.g. HySafe, EFC, WHTC). Olaf Jedicke is coordinator of different European research projects like

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NET-Tools, H2FC European Infrastructure, SUSANA, etc.

