



Vabilo na Preglov kolokvij / Invitation to the Pregl colloquium

Prof. Dr. Martin Winter

Westfälische Wilhelms-Universität, MEET Batterieforschungszentrum
Institut für Physikalische Chemie, Münster, Germany

Email: martin.winter@uni-muenster.de

Četrtek / Thursday 21. 12. 2017, ob / at 13:00

Velika predavalnica Kemijskega inštituta /
Great Lecture Hall, National Institute of Chemistry;
Hajdrihova 19, Ljubljana, Slovenia

Electrochemical Energy Storage Science: Truly Interdisciplinary and Cooperative

From the early findings of Galvani, Volta and Ritter until today, at all times *Electrochemistry* has been a discipline that received most attention, when a highly interdisciplinary approach was followed. Life sciences, synthesis, materials science, micro- and nanotechnology, sensors, corrosion, analytics, photochemistry, energy storage and conversion, catalysis, process technology, electrical engineering, chemical engineering, and modeling – to mention just a few disciplines and applications - have been greatly benefitting from the multiple contributions *Electrochemistry* could accomplish and will make in the future.

In public perception today, we witness electrochemical energy sciences triggering gigantic expectations, which is well-reflected by the prominent roles, which batteries, but also fuel cells and capacitors play in megatrends, such as clean mobility and storage of renewables. *Electrochemistry*, in particular electrochemical materials science and electrochemical methodology have been discovered as technology enablers.

In this presentation, we will review selected highlights of battery science and technology in particular in view of impact and application. At the end, a perspective on the future of battery based electrochemical energy storage will be provided.

info: miran.gaberscek@ki.si



Vljudno vabljeni / Kindly invited