

LE STUDIUM CONFERENCES



Prof. Petr Novák

Paul Scherrer Institut - CH

Petr Novák is head of the Section “Electrochemical Energy Storage” of the Paul Scherrer Institute in Villigen, Switzerland and Professor at the Laboratory of Inorganic Chemistry of the Swiss Federal Institute of Technology in Zurich (ETH Zurich). He has been working in the field of technical electrochemistry all his professional life, focusing on batteries, mainly lithium-based. Trained in technical electrochemistry at the University of Chemistry and Technology in Prague, Czech Republic (with Ivo Roušar), in 1983 he joined the J. Heyrovský Institute of the Czech Academy of Sciences, Prague (with a short period at the Technical University of Linköping, Sweden in 1986; with Olle Inganäs), later he worked as Alexander von Humboldt-Fellow at the University of Bonn, Germany (1988-1989; with Wolf Vielstich). Since 1991 Professor Novák has been working at the Paul Scherrer Institute, Villigen, Switzerland. His research interests span a wide range of topics related to battery materials’ electrochemistry and interfacial electrochemistry in nonaqueous batteries. He follows a system approach with focus on the interactions of various components in battery systems. During his career, the dominant topics included nonaqueous electrochemistry, conducting polymers, inorganic electrode materials and organic electrolytes for batteries, interfaces in nonaqueous systems, and especially the development of electrochemical *in situ (operando)* methods. Apart from many technical reports, he is author or co-author of 13 patents. He has published around 300 papers in leading scientific journals and has collected over 20,000 career citations (Career h Index: 68)