

PETR NOVÁK, CANDIDATE FOR ISE PRESIDENT ELECT

<http://www.psi.ch/lec/electrochemical-energy-storage>

https://www.ethz.ch/en/utis/search.ethz_search.html?persid=105727&pagetype=people&search=novak&search=novak&language=en



Petr Novák is head of the Section “Electrochemical Energy Storage” of the Paul Scherrer Institute in Villigen, Switzerland and professor at the Laboratory for Inorganic Chemistry of the Swiss Federal Institute of Technology in Zurich (ETH Zurich). A graduate of the Institute of Chemical Technology in Prague, he obtained his PhD in electrochemical engineering under the supervision of Ivo Roušar in 1984 and his “habilitation” in chemical technology of inorganic materials in 1994.

Dr. Novák has been working in the field of electrochemistry all his professional life, focusing on batteries, mainly lithium-based. 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 as Alexander von Humboldt-Fellow at the University of Bonn, Germany (1988-1989; with Wolf Vielstich). Since 1991 Dr. Novák has been working at the Paul Scherrer Institute, Villigen, Switzerland. His research interests span a wide range of topics related to materials’ electrochemistry and interfacial electrochemistry. The dominant topics include 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 12 patents and about 240 papers in peer-reviewed international journals (Career h-Index: 41). He is actively involved in large-scale collaborative projects with industrial partners, speaks widely on topics related to batteries and battery materials, and serves as symposium organizer at numerous scientific meetings. Dr. Novák served on the Editorial Board of the journal *Materials* for several years, and as Guest Editor of *Electrochimica Acta* as well. In 2006 he was teaching at Fudan University, Shanghai, China, delivering a series of lectures on lithium-ion batteries.

For his work in the field Dr. Novák was awarded the Tajima Prize of the International Society of Electrochemistry in 1988 and the Technology Award of the Battery Division of The Electrochemical Society, Inc. in 2005. He was appointed as a full (W3) professor for Material Research of Novel Energy Storage Systems at the University of Karlsruhe (Karlsruhe Institute of Technology – KIT), Germany in 2008. He rejected the appointment. Petr Novák was awarded the title of Professor of ETH Zurich in 2009.

Dr. Novák is/was member of the Organizing Committee of numerous conferences including several Annual Meetings of the International Society of Electrochemistry (ISE) with more than thousand delegates. He is/was also a member of the international scientific/advisory/executive committees of a number of conferences including the International Meetings on Lithium Batteries (IMLB) and the International Symposia on Intercalation Compounds. Since 2012, he is one of the Directors of IMLB. He served on the Scientific Meeting Committee of ISE and was a member of the Executive Committee of the European Network of Excellence in the field of Lithium Batteries ALiSTORE for four years. He served as scientific secretary of the Working Party on Electrochemistry of the Federation of European Chemical Societies and as ISE National Secretary for the former Czechoslovakia until he moved to Switzerland in 1991. Dr. Novák was member of the Executive Committee of ISE for nine years. Since 2002 (following re-election in 2004) he has served as Treasurer of ISE and, for the period 2008-2010, he was elected as Vice-President of the International Society of Electrochemistry.

Candidate's statement

Being Treasurer and later Vice-President of our Society for three consecutive terms (2002-2010) I have had the opportunity to participate in major developments of ISE in recent years. Now I am honored by the invitation to be a candidate in the election for the office of the President of our Society. If elected, my priorities in office will include:

- Involvement in the activities of our Society of younger ISE members at the beginning and in the middle of their occupational careers.
- Achievement of a well-balanced representation of members in ISE bodies, reflecting the geographical distribution of the membership.
- Increasing the financial support of the Divisions, providing them more autonomy for their activities.
- Improving the relationship of ISE to industrial companies to boost job opportunities for our young members.

Petr Novák (April 2014)