

## Curriculum Vitae

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## Prof. Dr.-Ing. Petr Novák

Petr Novák (1956), Fellow of the International Society of Electrochemistry, is currently Senior Fellow at the Technical University of Braunschweig, Germany. He build up the Section “Electrochemical Energy Storage” of the Paul Scherrer Institute in Villigen, Switzerland. He is retired Professor at the Laboratory of Inorganic Chemistry of the Swiss Federal Institute of Technology in Zurich (ETH Zurich) and active lecturer at the Technical University of Braunschweig, Germany. A graduate of the University of Chemistry and Technology in Prague, he obtained his PhD in electrochemical engineering in 1984 and his habilitation in chemical technology of inorganic materials in 1994.

Dr. Novák has been working in the field of technical electrochemistry all his professional life, focusing on batteries, mainly lithium-based. Trained in 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), and later he worked as Alexander von Humboldt-Fellow at the University of Bonn, Germany (1988-1989; with Wolf Vielstich). From 1991 until 2021, 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, graphite and other carbons, 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 over 330 manuscripts in leading scientific journals and has collected over 23,000 career citations (Web of Science Career h Index: 67; Google Scholar Career h Index: 78). Dr. Novák 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. - In 2006 he was teaching at Fudan University, Shanghai, China.

For his work in the field Dr. Novák was awarded the 2020 Yeager Award of the International Battery Association for outstanding contributions to electrochemical energy conversion and storage science over a protracted period, the Tajima Prize of the International Society of Electrochemistry, the Technology Award of the Battery Division of The Electrochemical Society, Inc., and was appointed Fellow of the International Society of Electrochemistry. 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.