

Katharina Krischer

Professor, Physics Department, Technical University of Munich, Munich, Germany

I am a Professor of Physics at the Technical University of Munich, Germany. I am also a member of the Catalysis Research Center of TUM and serve on editorial boards of several journals on electrochemistry or nonlinear sciences. I did my Ph.D. at the Fritz-Haber-Institut, Berlin, in the group of Prof. Ertl. After postdoctoral training at Princeton University, USA, I returned as a group leader to the Fritz-Haber-Institut, and completed my habilitation in 1998. In 2002 I moved to Munich to take over my current position. My research interests cover two broad topics, electrochemistry and nonlinear dynamics. My group works on photo-electrochemistry, solar fuels and semiconductor electrochemistry as well as on nonlinear phenomena during electrochemical reactions. Furthermore, I have also a strong interest in theory, bridging the gap between physico-chemical continuum models describing self-organization phenomena at the solid-liquid interface and normal form approaches and abstract mathematical models. I have coauthored more than 130 publications in peer-reviewed journals and a text book on 'Physics of Energy Conversion'. I was elected a fellow of the ISE in 2018 and served as a vice president of ISE from 2015 – 2017.



It is an honor to be nominated as a candidate for President-Elect of the ISE. I have been enjoying the broad scientific background discussed at the society's meetings and the truly international atmosphere of the meetings for about two decades. My vision for the future development is to further foster the diverse character of ISE in all possible aspects, thereby strengthening its worldwide recognition and presence. The importance of electrochemistry for shaping our future is enormous. The society contributes to it by organizing high-quality meetings that provide a global, non-profit forum for scientific discussions and education across all electrochemical disciplines and across all borders. As president, I would do my best that ISE continues to handle this responsibility in the best possible way.