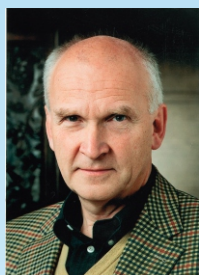




# REGIONAL CENTRE OF ADVANCED TECHNOLOGIES AND MATERIALS

## RUDOLF ZAHRADNÍK LECTURE SERIES

“Rudolf Zahradník Lecture Series” is a honorary lecture series under the auspices of the General Director of RCPTM - Prof. Radek Zbořil, established in 2013. All speakers are honored by the medal of the Palacký University for substantial contribution to the particular field of research. First year speakers of the prestigious lecture series were Prof. Josef Michl (University of Colorado and IOCB AS CR, Editor of Chemical Reviews), Prof. Andrey L. Rogach (City University of Hong Kong, Associate Editor of ACS NANO Journal), Prof. Mark A. Ratner (Northwestern University, Feynman Award in Nanotechnology). List of confirmed speakers for the first half of year 2014:



**Prof. Wolfgang Lindner (University of Vienna). Friday, February 14, 2014, 11:00**

**Title: „Chromatographic Resolution of Enantiomers on Chirallon Exchanger: Conceptual Reflections”**

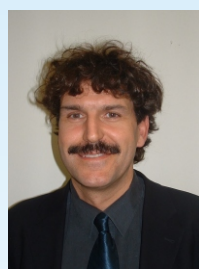
Wolfgang Lindner was trained in Organic Chemistry receiving his PhD in Graz in 1972. In 1978 he underwent a postdoc stay at the Prof. Barry L. Karger's labs at the North Eastern University in Boston (USA). In 1986 he was a visiting scientist at the FDA/NIH in Bethesda (USA). He has published more than 430 scientific papers, including Chemical Reviews, the Journal of the American Chemical Society or Angewandte Chemie (~10.500 citations, H-50), 12 book articles, and he holds 15 patents. He has received a number of awards including the Chirality Medal, the ACS Award for Chromatography, the AGP Martin Medal, etc. He was appointed the Chair of Analytical Chemistry at the University of Vienna in 1996. His research interests are influenced by pharmaceutical (life) sciences and by separation sciences related to HPLC, GC, CE/CEC and MS.



**Prof. Rudolf Zahradník (J. Heyrovský Institute of Physical Chemistry AS CR, Prague). Wednesday, March 26, 2014, 12:30**

**Title: „Slovo o chemii u nás a ve světě”**

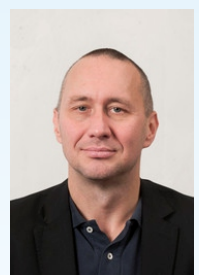
Rudolf Zahradník is a Doctorat Honoris Causa of the Technical University of Dresden, University of Fribourg, Technical University of Pardubice and Georgetown University in Washington DC. He graduated from the Institute of Chemical Technology in Prague. He studied relations between structure and biological activity at the Institute of Occupational Medicine, applied quantum chemistry, theory of chemical reactivity and molecular spectroscopy at the Institute of Physical Chemistry of the ASCR. In 1993-2001 he was the President of the Academy of Sciences of the Czech Republic. In 1994 he was a founding chairman of the Learned Society of the Czech Republic. He was honored by many awards including Gold Plaque of J. Heyrovský for his achievements in the chemical sciences, the Emil Votočka Medal of the Institute of Chemical Technology in Prague, the Charles University Gold Medal, Gold Medal of the Slovak Chemical Society.



**Prof. Patrik Schmuki (Friedrich-Alexander-Universität Erlangen-Nürnberg). Wednesday, May 7, 2014, 12:30**

**Title: "Self-organized TiO<sub>2</sub> nanotube arrays: Formation, Properties, Applications”**

Patrik Schmuki studied physical chemistry at the University of Basel and carried out his graduate studies at the ETH-Zürich. Then, he worked at the Brookhaven National Laboratory, NY, USA, using synchrotron techniques for thin film studies. From 1995 he was a guest scientist at the Institute for Microstructural Sciences of the National Research Council of Canada where his research focused on the surface phenomena in semiconductors. In 1997 he was elected the Maitre d'Enseignement et de Recherche (Associate Professor) for Microstructuring Materials at the Department of Materials Science of the EPFL in Lausanne. He joined the materials science faculty at the FAU in the fall 2000. He has published more than 440 scientific papers including Nature Materials, the Journal of the American Chemical Society, or Angewandte Chemie (~17.500 citations, H-68).



**Prof. Mario Ruben (Karlsruhe Institute of Technology). Tuesday, May 20, 2014, 12:30**

**Title: "(Supra)Molecular Quantum Spintronics”**

Mario Ruben was awarded his PhD from the University of Jena in 1998. The following three years, he worked at a post-doctoral position with Prof. J.M. Lehn at the "Institut de Science et d'Ingénierie Supramoléculaires" (I.S.I.S.) in Strasbourg dealing with the self-assembly of functional molecules, particularly spin transitions systems. In 2001 he joined the Institute of Nanotechnology in Karlsruhe and he obtained the Habilitation (HDR) from the University of Strasbourg in 2005. His research interests include the design and the construction of molecular devices; in this field, Mario Ruben currently leads several European network projects ([www.biomach.org](http://www.biomach.org); FunSMARTs I and II, MULTIFUN). From 2013 he is a professor for Chemistry; Chair „Molecular Materials“, Karlsruher Institut für Technologie. He published more than 120 scientific publications, 9 of them in Nature family journals (~4.500 citations, H-37).

All the above mentioned lectures from the Rudolf Zahradník Lecture Series take place in the Assembly hall of Faculty of Science, Palacký University, 17. listopadu 12, Olomouc, Czech Republic. For more information about the lecture series or about the Regional Centre of Advanced Technologies and Materials please visit [www.rcptm.com](http://www.rcptm.com).