

ao.Univ.Prof.i.R. Dipl.-Ing. Dr.techn. Dr.hc.

## Peter Varga

Professor of Surface Science  
at Institute of Applied Science (IAP), TU Wien  
Vienna, Austria  
&  
Senior researcher at CEITEC  
(Central European Institute of Technology)  
Brno University of Technology, Brno, CZ



Peter Varga 30.6.1946 – 27.10.2018

### PERSONAL Data

Family name, First name: Varga Peter

Nationality: Austria

### EDUCATION

- 1974 Dipl. Thesis: Development of an Ion Source, Research Center Seibersdorf, A
- 1978 Thesis: Potential Electron Emission from Surfaces by Slow Multiply Charged Ions, Institute of Applied Physics (IAP), TU Wien, Vienna, Austria
- 1990 Habilitation in Surface Science, TU Wien, Vienna, Austria

### EMPLOYMENT RECORD

- 1978 - 1990 Univ.Assistent / Assistant Prof. IAP, TU Wien
- 1982 - 2010 Head of the Surface Science group at the IAP, TU Wien
- 1990 - 1997 Associate Prof. IAP, TU Wien
- 1997 - 2011 ao.Univ.Prof. IAP, TU Wien
- 2011 - 2018 Emeritus IAP, TU Wien
- 2011 - 2018 Foreign Expert CEITEC (Central Institute of Technology)  
Brno University of Technology

### RESEARCH STAY

- 1981 - 1982 Humboldt Stipendium, Max Planck Institut für Plasmaphysik, Garching/D
- 1984 C.E.N. de Grenoble, F
- 1985 Universität Osnabrück, D

### PROFESSIONAL ACTIVITIES

- 1997-2001 President of the Austrian Vacuum Society
- 1998-2004 Member of the Advisory Editorial Board of „Surface Science“

- 2001-2007 Vice Chair of the Surface Science Division of IUVSTA (International Union for Vacuum Science, Technique and Applications)
- 2007-2016 Chair of the Surface Science Division of IUVSTA

### **AWARDS**

- 1980 Theodor Körner Preis, Austria
- 1981 Max Auwärter Preis, Austria
- 2010 Honorary doctorate from Lund University, Lund, Sweden
- 2017 Award of the Japan Society for Promotion of Science JSPS Comm. 141

### **SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS**

Supervising about 30 PhD students and about 50 Diploma students in Surface Science

### **TEACHING ACTIVITIES**

- 1982 - 2011 TU Wien: Surface Science, Mathematische Methoden in der Experimentalphysik, Festkörperanalytik, Praktikum in Experimenteller Physik, Praktikum für Lehramtsstudenten
- 2011 - 2018 TU Brno: Surface Science, Diagnostics of Nanostructures

### **ORGANISATION OF SCIENTIFIC MEETINGS**

- 1982 - 2018 15 times Chairman of "Symposium on Surface Science"
- 1999 Chairman of the "European Conference on Surface Science" (ECOSS-18)
- 2007 Chairman of the "European Conference on Surface Crystallography and Dynamics" (ECSCD-9)

### **REVIEWING ACTIVITIES**

Reviewer of research papers in journals of such as Surface Science, Phys. Rev. Lett. , Phys. Rev. B, Appl. Phys. Lett., Science

Several times member of Review panel of DFG (German Science Foundation) and Academy of Finland

### **PUBLICATIONS**

Over 260 journal papers with about 6000 citations (excluding self-citations) yielding an h-index of 49 (according Web of Science), The publications include papers in high profile journals such as Phys. Rev. Lett. , Science and Nature.

### **CONFERENCES**

Numerous invited talks at international conferences.

### **Research interests**

- determination of the crystallographic and electronic structure of surfaces (metallic and nonmetallic, semiconductor excluded)
- structure of thin films grown by MBE and PLD (pulsed laser ablation)
- structure of alloy surfaces and surface alloys
- structure of adsorbates on surfaces
- structure of surface oxides

### **Experimental techniques**

- high resolution STM
- quantitative LEED
- LEIS
- AES
- XPS
- GISXD