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Current position(s):

Research professor of Institute of Experimental Physics SAS, Vice President of SAS for science, research and innovations, professor of condensed matter physics at P.J. Šafárik University of Košice

Profile:

Expert in the area of condensed matter physics, non-conventional superconductivity, competing electronic orders, Superconductor-Insulator Transition. Application of experimental methods of point-contact spectroscopy, scanning tunneling microscopy and spectroscopy (STM/STS), specific heat, magnetization and transport measurements at ultra-low temperatures, in high magnetic fields and on nanoscale

Coordinator of EU Framework projects and numerous international and national projects

Lectures on condensed matter physics, superconductivity and experimental techniques. Guarantee of PhD studies in Condensed Matter Physics, PhD supervisor. Member of the Committees for doctoral studies in Košice and Bratislava (Comenius University)

Previous positions :

1980 – till now Institute of Experimental Physics, Slovak Academy of Sciences
2017 – till now Vice President of SAS
2005 - 2013 member of the Presidium of SAS
2002 visiting professor, Université Joseph Fourier, Grenoble, France
1989-1991 postdoctoral fellow at the Grenoble High Magnetic Field Laboratory, Max-Planck-Institut FKF, France

Projects:

1. H2020 INFRAIA-2-18-1, 824109, European Microkelvin Platform, 2019-2022, 1.1 million Eur
2. 7FP MNT-ERA.NET, Engineering in Superconductivity/ ESO, 2009-2012, 225000 Eur
3. COST Action CA16218 Nanoscale Coherent Hybrid Devices for Superconducting Quantum Technologies, 2017-2021
4. COST Action MP1201 Nanoscale Superconductivity: Novel Functionalities through Optimized Confinement of Condensate and Fields, 2012-2016
5. APVV-0036-11, Advanced Materials with Competing Orders, 2012-2015, 218 000 Eur
6. ASFEU, ITMS 26220220186, OPVaV/13/2013, Research centre for advanced materials and technologies for current and future applications, „PROMATECH“, 2013-2015, 22 192 045 €
7. Centre of Excellence of SAS, Centre of Low Temperature Physics and Material Research at Extreme Conditions, 2012-2015, 150 000 Eur

Publications:

2 monographs and 4 chapters in international scientific monographs

WOS CC papers: 126 in total, during last 4 years: 16 (2xACS Nano (IF=14), 1xCarbon (IF=6), 7 x Physical Review B (IF=4). More than 1700 WOS citations, h-index=22

Fellowships, awards:

Academia Europaea Scientiarum et Artium, Salzburg, *socius ordinarius*, 2007

Slovak Learned Society, regular member, 2008

Member of the Scientific Council of Technical University of Košice, since 2007

Chairman of the Board for Natural Sciences at the Slovak Research and Development Grant Agency, since 2014

Diploma of Thomson Reuters for the most cited paper in superconductivity in 2006

Prize of the Minister of Education and Science for the Top research team, 2012

Golden Medal of the Faculty of Sciences, UPJŠ, 2013

Memorial medal of SAS to the SAS Top research team, 2013

Award of the Literature Fund for high citation rate of the Physical Review Letters paper, 2015

Great Memorial Medal of Technical University of Košice, 2016