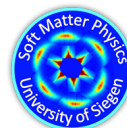


CURRICULUM VITAE

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Education

- 2021: Habilitation in Physical Chemistry, section 03/A2, ASN - National Scientific Habilitation, Italy
- 2015: Habilitation in Chemistry of Materials, Université de Haute-Alsace, Mulhouse-Strasbourg, France
- 2000: Ph.D. in Crystallography, Institute of Crystallography Russian Academy of Sciences, Moscow, Russia
- 1994: Diploma in Physics, Yerevan State University, Department of Physics, Yerevan, Armenia

Experience

- 2010 - present: Head of Soft Matter Physics Group, research group including post-doc, PhD and master students, University of Siegen, Germany
- 2018 and 2022: Visiting Professor, Chemistry Department, Sapienza University of Rome, Italy
- 2015-2016: Invited Professor and CNRS Director of research at IM2NP, Aix-Marseille University, France
- 2010: Guest Researcher, National Institute of Standards and Technology, Gaithersburg, USA
- 2005 - 2009: Assistant scientist, University of Siegen, Siegen, Germany
- 2004: Senior scientist, Institute of Crystallography RAS, Moscow, Russia
- 2004: Visiting scientist, CEMES, Toulouse, France
- 2001- 2003: DAAD and post-doc fellow, University of Potsdam, Potsdam, Germany

Scientific interests

Main expertise in Physical Chemistry/Chemistry of Materials/Inorganic Chemistry with valuable experience in advanced studies of the structure-property relationships (in particular, at the different European synchrotron radiation facilities) focusing to the following directions

- Surface-sensitive X-ray techniques, development of *in situ* X-ray methods for investigations of multifunctional novel materials
- Microstructural characterization of advanced functional materials, optimization of active layers of smart devices with novel metal nanoparticles
- Mesoscale *in situ* studies of working devices, direct correlation of microstructures and optoelectronic properties of complex hybrid organic/inorganic networks
- Flexible and printed inorganic and hybrid electronics, microstructural studies of stability and alteration of solar cells, field effect transistors

Main Projects

PI of 11 International projects including following funding agencies: BMBF - Federal Ministry of Education and Research, DFG - German Research Foundation, DAAD - German Academic Exchange Service, Volkswagen Foundation, ATHENA European consortium

Proposer more than 60 accepted experimental short and long-term projects at leading synchrotrons: ESRF, SOLEIL, BESSY II, DELTA, PETRA III

Publications, Talks and Disseminations

74 peer-reviewed publications; 4 book chapters

28 invited and plenary talks on International Conferences, Symposiums and Workshops (last 10 years)

Organized 2 International conferences and 3 Young scientist schools with more than 100 participants