



Personal data

Victoria Dutschk, Dr.-Ing. habil. Dipl.-Math.
Born 1966 in the Soviet Union
Citizenship: German
Address: Mekkelholtsweg 152, 7523DH Enschede, Netherlands
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Expertise

Materials Science, Polymer Composite Materials, Textile Technology,
Applied and Colloid Chemistry,
Polymer Interfaces, Wetting and Spreading,
Surfactants in Solutions

Strengths

Analysis and conception with good feelings for feasibility
Stimulating leadership
Networking
Project management

Values

Integrity – being fair, firm and consistent, showing respect for those I work with
Responsibility – being accountable for what I do
Courage – standing up for people under my supervision

Languages

Fluent in German, English and Russian

Occupation

- 2015 – Leibniz Institute of Polymer Research Dresden, Germany
Guest Researcher
- 2010 – 2014 University of Twente, Enschede, Netherlands
Associate Professor and Research Group Leader 'Engineering of Fibrous Smart Materials'
Supervision of undergraduates, PhD candidates and postdocs,
Project leadership and management; fundraising of 457 k€
- 1994 – 2010 Leibniz Institute of Polymer Research Dresden, Germany
Researcher and Research Group Leader 'Wetting Dynamics'
Work in projects, project leadership and management;
Teaching and supervision of students and PhD candidates;
Fundraising of 678 k€

Tertiary education and other degrees

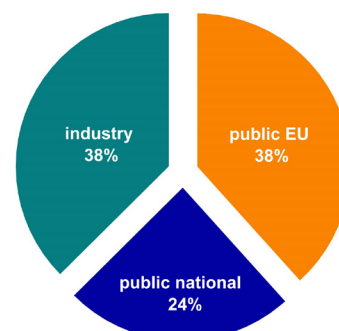
- 2006 – 2011 Habilitation Thesis at the Technische Universität Dresden (Germany)
'Interactions of aqueous surfactant solutions with solid surfaces and their relevance in interface technology' degree Dr.-Ing. habil.
Exceptional ability to research and teach independently in the field of Polymer Interfaces
- 1995 – 2000 PhD Studies 'Surface forces and their contribution to adhesion and adherence in glass fibre-reinforced polymer composites' at the Technische Universität Dresden; Dr.-Ing. summa cum laude
- 1996 – 2000 Associate member of the DFG Graduate College Mechanics of continua of inelastic solids at the Institute of Solid Mechanics TU Dresden
- 1995 – 1999 Postgraduates studies of Mechanical Engineering and Materials Sciences at the Technische Universität Dresden
- 1991 – 1992 Postgraduate courses in Applied IT in Economic Systems at the Education Centre for IT Classification in Dresden
- 1983 – 1988 Studies of Mathematics and Theoretical Mechanics at the University of Odessa (Ukraine), degree in 1988: Dipl.-Math. and Teacher, excellent

Membership of Scientific Committees

Member of PhD Committee, University of Potsdam (2011);
Member of Int. Sci. Committees of AUTEX Conferences (2013 - 2015);
Member of Sci. Committee of the Conference Drops & Bubbles in Potsdam (2015);
Smart & Green Interfaces Conference 2015 in Belgrade (Serbia);
Int. Advisory Board Member of 5th Int. Conference 'Smart Materials, Structures & Systems' SIMTEC 2016

Research projects

2014 – 2017	Principal Investigator: 'Development of multifunctional complex fluids (formulations) for coating semi-porous surfaces' and Coordinator of a Research Area: 'Development of complex liquids and substrates' Marie Curie Initial Training Network Complex Wetting
2012 – 2015	Academic Leader of Multidisciplinary Team 'Nanotechnologies for Textiles', FP7 Coordination Action 2BFUNTEX
2011 – 2014	Project Manager: Industrial projects at Tanatex Chemicals (Ede) Philips (Drachten), Bonar (Arnhem), Verosol Fabrics (Eibergen)
2006 – 2013	Principal Investigator: 'Fundamental and applied studies in emulsions stability', European Space Agency (ESA), Noordwijk
2006 – 2011	Principal Investigator and Project Manager: 'The effects of detergent technology on fabric surfaces', Procter & Gamble, Newcastle, UK
2007	Principal Investigator and Project Manager: 'Testing polyethylene materials for stress cracking resistance in the presence of a surfactant solution', IMA Institut für Materialforschung und Anwendungstechnik Dresden
2000 – 2008	Principal Investigator and Project Manager: 'Basic investigations in the field of wetting dynamics of aqueous surfactant solutions on solid surfaces aimed to developing a screening method' SASOL Germany GmbH, Marl
2000 – 2001	Principal Investigator: 'Identification and optimisation of mechanical properties of glass fibre reinforced polymer materials based on interfacial and interphase design', German Federal Ministry for Education and Research (BMBF) New materials at key technologies of 21st century
1998 – 1999	Fellow: 'Physical modelling of adhesion phenomena', German Max Buchner Foundation



Teaching and Mentoring

2009 – 2014

Teacher and Mentor at the International Training Schools within COST Actions D43, CM1101, MP1106:

Dresden (Germany) 'Interfacial Engineering for Nanotechnology', 2009

Delft (Netherlands) 'Interaction Forces and Engineering', 2010

Sofia (Bulgaria) 'Fluids and Solid Interfaces', 2011

Regensburg (Germany) 'Surface Analytical Techniques', 2012

Enschede (Netherlands) 'A way to Smart Europe', 2013

Bonassola (Italy) 'Particles at Liquid Interfaces: Fundamentals and Applications', 2014

2011 – 2012

Lector in course 'Flow phenomena in porous (fibrous) materials' at the University of Twente, Enschede (Netherlands)

2011 – 2012

Mentor: Trajectory Mentor Programme at the University of Twente, Enschede (Netherlands)

2010 – 2012

Guest Lecturer in course 'Funktions-, Hochleistungs-, und Spezialpolymerwerkstoffe' (10th semester) at the Technische Universität Dresden

International Activities/ Membership

2012 – 2016

Full member of the Dutch Management Committee COST MP1105

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Full member of the Dutch Management Committee COST MP1106

2012 – 2016

Substitute member of the Dutch Management Committee COST CM1101

2007 – 2016

Organizing committee member of a series of Training Schools for PhD students and Postdocs within the COST Actions D43 (2007-2011), CM1101 (2012-2016) and MP1106 (2012-2016)

2011 – 2013

Board member of the AUTEX (Association of Universities for Textiles)

2006 –

Member of the International Association of Colloid and Interface Scientists (IACIS) and of the European Colloid and Interface Society (ECIS)

International Networking Experiences

1997 –

Guest researcher with a Short Term Scientific Missions: 1997 at the Institute of Physical Chemistry Moscow (Russia), 2003 at the Loughborough University (United Kingdom), 2008 at the Sofia University (Bulgaria), 2009 at the Aristotle University of Thessaloniki (Greece), 2009 at the Compiègne University of Technology (France), 2015 at the Aristotle University of Thessaloniki (Greece)

Initiator of several Framework cooperation agreements and coordinated collaborative research activities with the following Universities and institutes: Institute of Physical Chemistry, Russian Academy of Sciences (Moscow, Russia), Technion-Institute (Haifa, Israel), Leibniz-Institut für Polymerforschung Dresden (Germany), Sofia University, Department of Physical Chemistry (Sofia, Bulgaria), University of Twente (Enschede, Netherlands)

Evaluator

2014 –

for the National Center of Science and Technology Evaluation Ministry of Education and Science Astana, Republic of Kazakhstan

2011 –

for the Belgian agency for Innovation Science and Technology (IWT)

2002 –

Reviewer of international Journals: Advances in Colloid and Interface Science, Langmuir, Colloids and Surfaces A: Physicochemical and Engineering Aspects, Journal of Colloid and Interface Science, Polymer, Applied Physics Letters, Journal of Applied Polymer Science

Organizing International Workshops

2012

Industrial Workshop 'Academic and industrial research on surfactants, nanoparticles, dyes and pigments' at Sasol Germany

2012

International Industrial Workshop 'Flame retardant functionalization of textiles in industrial wet-chemical processes', Enschede (Netherlands)

2012

Industrial Workshop 'Antibacterial textiles and analytical methods', Enschede (Netherlands)

2012

International Industrial Workshop 'Inks and inkjet printing on textiles: Nano and Electronics', Enschede (Netherlands)

2010 – 2012

6 Topical Workshops for the EFSM foundation (Netherlands)

2009

International Workshop 'Discussion Forum on Roughness Aspects in Wetting and Adhesion', Dresden (Germany)