

Prof. Dr. Günter Reiter

Professor of Experimental Polymer Physics, Institute of Physics, University of Freiburg
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Born on 25.12.1960 in Wels/Austria

Academic Studies

1980 – 1985 **Subject:** Physics
University: Technical University of Graz, Austria
Degree: Graduate engineer (Dipl.-Ing.)

Doctorate

1985 – 1987 **Subject:** Nuclear Physics
University: Technical University of Graz, Austria
Doctoral advisor: Prof. L. Breitenhuber

Habilitation

1998 **Subject:** Physics
University: UHA Mulhouse, France
Mentor: Pierre-Gilles de Gennes

Professional Career

2008 – present Professor of Experimental Polymer Physics, Albert-Ludwigs Universität Freiburg
2001 – 2008 Research Director, CNRS, ICSI Mulhouse, France
1994 – 2001 Senior Research Fellow, CNRS Mulhouse, France
1994 Research Fellow, LLB Saclay, France
1992 – 1994 Research Fellow, University of Illinois, USA
1987 – 1992 Postgraduate Research Fellow, Max-Planck-Institute for polymer research, Mainz, Germany

Editorships

2019 - present Member of the Editorial Board of Polymers, Polymer Physics Section
2013 – 2019 Divisional Associate Editor (Polymer Physics Division) of Physical Review Letters (PRL)
2010 - present Member of the Editorial Board: The European Physical Journal - Special Topics
2006 – 2013 Editor of the book series “*Series in Soft Condensed Matter*” (together with David Andelman) for World Scientific Publishing Co, Singapore
2000 – 2005 Editor-in-Chief: Eur. Phys. J. E SOFT MATTER

Function on scientific advisory councils or advisory committees

2020 Fellow of the American Physical Society (APS)
2012 – 2018 Member of the Board of Directors of the FIT (Freiburg Center for Interactive Materials and Bioinspired Technologies)

2010 – 2019	Speaker of the International Research and Training Group (IRTG) Soft Matter Science
2010 – 2019	Member of the Board of Directors of the FMF (Freiburg Materials Research Center)
2010 – 2014	Internal Senior Fellow of FRIAS (Freiburg Institute of Advanced Studies)
2006 – 2018	Chairman of the Macromolecular Physics Section of the Condensed Matter Division of the European Physical Society (CMD-EPS)
2004 – 2007	Chairman of the Working Group 1 of the COST Action P12 “Structuring of Polymer“
2003 – 2008	Chairman of the Working Group 1 of the COST Action P12 “Structuring of Polymer“
1995 – pres.	Director of the research group GDR2637 Organization of many international workshops and summer schools on a regular basis

Selected Publications

Please follow this link for the [Complete list of publications](#)

1. Translating molecular relaxations in non-equilibrated polymer melts into lifting macroscopic loads, F. Ramezani, J. Baschnagel, G. Reiter. *Phys. Rev. Materials* 4 (2020) 082601
2. Controlling the Growth of Stacks of Correlated Lamellar Crystals of a Block Copolymer, S. Majumder, R. Reiter, J. Xu, G. Reiter, *Macromolecules* (2019)
3. Processing Pathways Decide Polymer Properties at the Molecular Level, S. Chandran, D. Cangialosi, K. Fukao, E. Glynos, L. M. C. Janssen, M. Müller, M. Muthukumar, U. Steiner, J. Xu, S. Napolitano, and G. Reiter. *Macromolecules* 52 (2019) 7146-7156
4. Formation of Periodically Modulated Polymer Crystals, P. Poudel, S. Majumder, S. Chandran, H. Zhang, G. Reiter, *Macromolecules* 51 (2018) 6119–6126
5. Time Allowed for Equilibration Quantifies the Preparation Induced Non-equilibrium Behavior of Polymer Films, S. Chandran, R. Handa, M. Kchaou, S. Al Akhrass, A. Semenov, G. Reiter, *ACS Macro Lett.* 6 (2017) 1296-1300
6. Transient cooperative processes in dewetting polymer melts, S. Chandran, G. Reiter, *Phys. Rev. Lett.*, 2016., 116, 088301
7. High Temperature Stability of Dewetting-Induced Thin Polyethylene Filaments; B. Zhang, J. Chen, P. Freyberg, R. Reiter, R. Mülhaupt, J. Xu, G. Reiter; *Macromolecules* 48, 2015, 1518–1523
8. Some unique features of polymer crystallisation, G. Reiter, *Chem. Soc. Rev.*, 2014, 22; 43(7), 2055-65
9. Generating long supramolecular pathways with a continuous density of states by physically linking conjugated molecules via their end groups, R. Shokri, M.A. Lacour, J.-P. Lere-Porte, F. Serein-Spirau, K. Miqueu, J.-M. Sotiropoulos, Vonau, D. Aubel, M. Cranney, G. Reiter, L. Simon, *J. Am. Chem. Soc.*, 2013, 135, 5693
10. Controllable processes for generating large single crystals of poly(3-hexylthiophene), K. Rahimi, I. Botiz, N. Stingelin, N. Kayunkid, M. Sommer, F. Peter, V. Koch, H. Nguyen, Coulembier, P. Dubois, M. Brinkmann, G. Reiter, *Angew. Chem.*, 2012, 124, 11293