

Prof. Dr. Günter Reiter

Professor of Experimental Polymer Physics, Institute of Physics, University of Freiburg
Hermann-Herder-Str. 3, 79104 Freiburg, Germany
Tel.: +49 761 203 5857, Fax: +49 761 203 5855
E-mail: guenter.reiter@physik.uni-freiburg.de

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	Director of the research group GDR2637
1995 – pres.	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. Illumination of Conjugated Polymers Reduces Nucleation Probability and Slows Down Crystal Growth Rate, Y. AlShetwi, B. Bessif, M. Sommer, G. Reiter. *Macromolecules*, **2021**, 54, 11478–11485
2. Controlled Switching from the Growth of Mono-Lamellar Polymer Crystals to the Formation of Stacks of Uniquely Oriented Lamellae, W. Chen, B. Bessif, R. Reiter, J. Xu, G. Reiter. *Macromolecules*, **2021**, 54, 8135–8142
3. Formation of Stacked Three-Dimensional Polymer “Single Crystals”, Z. Guo, S. Yan, G. Reiter. *Macromolecules*, **2021**, 54, 4918–4925
4. Measurements of periodically perturbed dewetting force fields and their consequences on the symmetry of the resulting patterns, K. Roumpos, S. Fontaine, T. Pfohl, O. Prucker, J. R uhe, G. Reiter. *Scientific Reports*, **2021**, 11, 13149
5. Translating molecular relaxations in non-equilibrated polymer melts into lifting macroscopic loads, F. Ramezani, J. Baschnagel, G. Reiter. *Phys. Rev. Materials*, **2020**, 4, 082601
6. Processing Pathways Decide Polymer Properties at the Molecular Level, S. Chandran, D. Cangialosi, K. Fukao, E. Glynos, L. M. C. Janssen, M. M uller, M. Muthukumar, U. Steiner, J. Xu, S. Napolitano, and G. Reiter. *Macromolecules*, **2019**, 52, 7146-7156
7. 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.*, **2017**, 6, 1296-1300
8. Transient cooperative processes in dewetting polymer melts, S. Chandran, G. Reiter, *Phys. Rev. Lett.*, **2016**, 116, 088301
9. Some unique features of polymer crystallisation, G. Reiter, *Chem. Soc. Rev.*, **2014**, 43, 2055-65
10. 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
11. 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