

Prof. Dr. Günter Reiter

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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	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. Reversible Dehydration-Hydration of Poly(ethylene glycol) in Langmuir Monolayers of a Diblock Copolymer Inferred from Changes in Filament Curvature, E. Khechine, S. Noack, H. Schlaad, J. Xu, G. Reiter, R. Reiter. *Langmuir*, 2023, 39, 2710–2718
2. In situ dissolution and swelling of confined lamellar polymer crystals through exposure to humid air, B. Bessif, T. Pfohl, B. Heck, Y. Alshetwi, E. Khechine, J. Xu, G. Reiter. *Macromolecules*, 2022, 55, 6015–6022
3. The memory of thin polymer films generated by spin coating, Günter Reiter, Farzad Ramezani, Jörg Baschnagel. *EPJE* 45, 2022, 51
4. Illumination of Conjugated Polymers Reduces Nucleation Probability and Slows Down Crystal Growth Rate, Y. Alshetwi, B. Bessif, M. Sommer, G. Reiter. *Macromolecules*, 2021, 54, 11478–1148
5. Controlled Switching from the Growth of Mono-Lamellar Polymer Crystals to the Formation Stacks of Uniquely Oriented Lamellae, W. Chen, B. Bessif, R. Reiter, J. Xu, G. Reiter. *Macromolecules*, 2021, 54, 8135–8142
6. Formation of Stacked Three-Dimensional Polymer “Single Crystals”, Z. Guo, S. Yan, G. Reiter. *Macromolecules*, 2021, 54, 4918–4925
7. 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. Rühle, G. Reiter. *Scientific Reports*, 2021, 11, 13149
8. Translating molecular relaxations in non-equilibrated polymer melts into lifting macroscopic loads, F. Ramezani, J. Baschnagel, G. Reiter. *Phys. Rev. Materials*, 2020, 4, 082601
9. 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*, 2019, 52, 7146-7156
10. 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
11. Transient cooperative processes in dewetting polymer melts, S. Chandran, G. Reiter, *Phys. Rev. Lett.*, 2016, 116, 088301
12. Some unique features of polymer crystallisation, G. Reiter, *Chem. Soc. Rev.*, 2014, 43, 2055-65