Curriculum Vitae

Name: Florian Johannes STADLER

Born: July 27, 1978 in Erlangen, Germany

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Education:

1985-1986	Friedrich-Rückert primary school in Erlangen, Germany
1986-1990	Hermann-Delp primary school in Bad Windsheim, Germany
1990-1995	Georg-Wilhelm Steller Gymnasium in Bad Windsheim
1995-1996	Apple Valley High School, Minnesota, USA
1996-1998	Georg-Wilhelm Steller Gymnasium in Bad Windsheim
July 1998	Abitur (secondary school qualifications)

1998-2003 Studies of the materials sciences at the Friedrich-Alexander-University Erlangen-Nürnberg (FAU) with internships at:
- Siemens Medizintechnik (Siemens Medical Technology), Erlangen, 1998
- Mekra Lang (truck mirror manufacturing), Ergersheim, 1999
- Gießerei Heunisch (cast iron), Bad Windsheim, 2001
- Hadisolb (Egyptian Iron and Steel), Helwan, Egypt, 2001

Primary course: *polymer materials*
Secondary course: *science and technology of metals*
Tertiary course: *polymer technology* (part of mech. engineering)

March 2003: Diploma thesis (Diplomarbeit): Dynamisch-Mechanische Eigenschaften von Polyolefinen (dynamic-mechanical properties of polyolefins) at the Institute of Polymer Materials (LSP) of the Friedrich-Alexander-University Erlangen-Nürnberg, supervisor: Prof. Dr. H. Münstedt, overall grade: very good.

March 2007: Doctoral thesis: Structure - Property Relationships in Linear and Long-Chain Branched Polyethylenes and Ethene-/α-Olefin Copolymers obtained at the

Institute of Polymer Materials (LSP) of the Friedrich-Alexander-University Erlangen-Nürnberg, supervisor: Prof. Dr. H. Münstedt, overall grade: very good.

Career:

- December 1998 to June 2003 (with several intermissions): Occupation at different institutes of the department of Materials Science of the Friedrich-Alexander-University Erlangen-Nürnberg in Germany as student assistant ("HiWi"), getting involved in various scientific projects (improving the gluability of PEEK, degradation of PLA under in vitro conditions, sample preparation for elongational rheology, preparation and mechanical testing of novel ceramics, …).

- July 2003 to April 2007: Occupation at the Institute of Polymer Materials (LSP) of the Friedrich-Alexander-University Erlangen-Nürnberg as research associate (structure-property relationships in polyethylene)

- January to April 2006: stay at the Yamagata University in Yonezawa, Yamagata, Japan as a guest scientist (characterization of polyethylene in biaxial elongation and by X-ray diffraction)

- May 2007 to September 2009: Occupation at the Unité de Physique et de Chimie des Hauts Polymères of the Université catholique de Louvain (UCL), Belgium as PostDoc (structure-property relationships in supramolecular materials)

- September 2009-February 2014 Occupation as assistant professor in the Chemical Engineering Department of Chonbuk National University (CBNU), Jeonju, South Korea

- October 2012: Promotion to associate professor in the Chemical Engineering Department of Chonbuk National University. The promotion was moved forward by 12 months and among all 47 candidates for promotion within CNBU, the total score was the highest.

- March 2014-August 2024: „distinguished professor" at College for Materials Science and Engineering (材料学院) of Shenzhen University (**SZU**, 深圳大学), Shenzhen, China.

- August 2024-date „distinguished professor" at Department of Chemical Engineering & Interdisciplinary Research Center for Refining and Advanced Chemicals, King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia

Other scientific contributions:

- Associate Editor of Journal of Saudi Chemical Society
- Member of Editorial Board of Polymers and Rheologica Acta
- Regular reviewer for Rheologica Acta, Journal of Rheology, Materials Letters, and Macromolecules and for many other journals, which can be checked in detail at https://www.webofscience.com/wos/author/record/A-7153-2008
- Reviewer for FWF-Der Wissenschaftsfonds (Austria), Netherlands Organisation for Scientific Research (NWO), Polish Science Foundation, and National Science Foundation (USA).
- Having been guest editor of Rheologica Acta on the occasion of a special issue of this journal in honor of Prof. Dr. H. Münstedt.
- Having been special issue editor of Polymers, Materials, and J. Composite Science

A) Printed publications in reviewed journals

[1] **Stadler FJ**, Kaschta J, Münstedt H, Dynamic-mechanical behavior of polyethylenes and ethene-/ α -olefin-copolymers. Part I. α ′ -Relaxation, Polymer, **2005,** 46, 23, 10311.

[2] Piel C, **Stadler FJ**, Kaschta J, Rulhoff S, Münstedt H, Kaminsky W, Structure-Property Relationships of Linear and Long-Chain Branched Metallocene High-Density Polyethylenes Characterized by Shear Rheology and SEC-MALLS, Macromol Chem Physic, **2006,** 207, 1, 26.

[3] **Stadler FJ**, Piel C, Kaminsky W, Münstedt H, Rheological characterization of long-chain branched polyethylenes and comparison with classical analytical methods, Macromol Symp, **2006,** 236, 1, 209.

[4] **Stadler FJ**, Piel C, Kaschta J, Rulhoff S, Kaminsky W, Münstedt H, Dependence of the zero shear-rate viscosity and the viscosity function of linear high-density polyethylenes on the mass-average molar mass and polydispersity, Rheol Acta, **2006,** 45, 5, 755.

[5] **Stadler FJ**, Piel C, Klimke K, Kaschta J, Parkinson M, Wilhelm M, Kaminsky W, Münstedt H, *Influence of Type and Content of Various Comonomers on Long-Chain Branching of Ethene/α-Olefin Copolymers*, Macromolecules, **2006,** 39, *4*, 1474.

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[8] **Stadler FJ**, Nishioka A, Stange J, Koyama K, Münstedt H, Comparison of the elongational behavior of various polyolefins in uniaxial and equibiaxial flows, Rheol Acta, **2007,** 46, 7, 1003.

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[10] **Stadler F**, Leygue A, Burhin H, Bailly C, POLY 219-The potential of large amplitude oscillatory shear to gain an insight into the long-chain branching structure of polymers, Abstr Pap Am Chem S, **2008,** 235, 1, 121.

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[12] **Stadler FJ**, Kaschta J, Münstedt H, *Thermorheological Behavior of Various Long-Chain Branched Polyethylenes*, Macromolecules, **2008,** 41, *4*, 1328.

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[14] **Stadler FJ**, Münstedt H, Numerical description of shear viscosity functions of long-chain branched metallocene-catalyzed polyethylenes, Journal of Non-Newtonian Fluid Mechanics, **2008,** 151, 1-3, 129.

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[16] **Stadler FJ**, Münstedt H, *Elastic and viscous properties of linear and long-chain branched ethene/alpha-olefin copolymers in the terminal regime*, Xvth International Congress on Rheology - the Society of Rheology 80th Annual Meeting, Pts 1 and 2, **2008,** 1027, *Pt. 1, 15th International Congress on Rheology, 2008*, 470.

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B) Oral presentations at conferences

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