

CURRICULUM VITAE

FLORIAN SCHÄTZ

BIOGRAPHICAL DATA

Name: Florian Schätz
Place of birth: Vienna, Austria
Date of birth: September 8th, 1982
Citizenship: Austrian
Marital status: single
Languages: German, English (fluent), French (passive)
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EDUCATION

1. High-school degree (*Matura*)
 - *Realgymnasium Gmünd*, Gmünd, September 1993 - June 2001
 - *Matura* with distinction
2. Alternative Service, October 2001 - September 2002
3. Studies in mathematics (*Diplomstudium der Mathematik*)
 - University of Vienna, February 2002 - April 2005
 - Thesis: *The Morse-Smale Complex*
 - Advisor: ao. Prof. Peter W. Michor
 - finished with distinction
 - received the “Würdigungspreis der Bundesministerin für Bildung, Wissenschaft und Kultur 2005”
4. Doctorial studies in mathematics
 - University of Zurich, October 2005 - September 2009
 - Thesis: *Coisotropic Submanifolds and the BFV-Complex*
 - Adivsor: Prof. Alberto S. Cattaneo
 - finished with distinction
 - scholarship from the Graduate School for Mathematics, October 2005 - September 2006

- teaching assistantship at the University of Zurich, October 2006 - September 2009
- supported by the research credit Nr. 57103503 of the University of Zurich, October 2008 - September 2009

POSITIONS

1. Post-doc positions

- Research grant of the ‘Center for Mathematical Analysis, Geometry and Dynamical Systems’, Instituto Superior Tecnico Lisbon (Portugal), October 2009 - October 2010
- Post-doc grant of the ‘Fundação para a Ciência e a Tecnologia’ of Portugal, November 2010 - August 2011
- Post-doc at the University of Utrecht (Netherlands), since September 2011

RESEARCH

1. Preprints and papers

- “*BFV-complex and higher homotopy structures*”, Commun. Math. Phys. **286** (2009), Issue 2, 399–443, available as arXiv:math/0611912
- “*Equivalence of Higher Derived Brackets*”, with Alberto S. Cattaneo, J. Pure Appl. Algebra **212** (2008), Issue 11, 2450–2460, available as arXiv:0704.1403
- “*Invariance of the BFV complex*”, Pacific J. Math., **248** (2010), No. 2, 453–474, available as arXiv:0812.2357
- “*Moduli of coisotropic Submanifolds and the BFV-Complex*”, Asian J. Math, Vol. 15 (2011), No. 1, 71–100, available as arXiv:0903.4074
- “*Deformations of Lie brackets and representations up to homotopy*”, with Camilo Arias Abad, to appear in Indagat. Math., available as arXiv:1006.1550
- “*Introduction to supergeometry*”, with Alberto S. Cattaneo, Rev. Math. Phys., Vol. **23** (2011), Issue No. 6, 669–690, available as arXiv:1011.3401
- “*Integration of representations up to homotopy*”, with Camilo Arias Abad, preprint, available as arXiv:1011.4693

- “Redemeister torsion for flat superconnections”, with Camilo Arias Abad, preprint, available as arXiv:1108.5103

2. Research Visits

- Junior Research Fellow at ESI, Vienna (Austria), August 1st - September 30th, 2007
- Visit at the University of Utrecht (Netherlands), supported by the mentoring program of the University of Zurich, May 31th - June 13th, 2009
- Visit at the University of Zurich (Switzerland), February 28th - March 14th, 2010
- Junior Research Fellow at ESI, Vienna (Austria), September 1st - October 31st, 2010

3. Invited talks

- “Higher homotopy structures in Poisson geometry” at the “Spring Meeting in Mathematical Physics 2007” in Zurich (Switzerland), March 23rd, 2007
- “BFV-complex and deformations of coisotropic submanifolds” at the Program on “Poisson sigma models, Lie algebroids, deformations, and higher analogues” at ESI in Vienna (Austria), August 6th, 2007
- “ P_∞ -structures in Poisson geometry” at the “Swiss–Russian Seminar” in Zurich (Switzerland), December 5th, 2007
- “Different Perspectives on the Homotopy Transfer of L_∞ -algebras” at the University of Luxembourg (Luxembourg) July 29th, 2008
- “BFV-Complex and Deformations of coisotropic Submanifolds” at the University of Luxembourg (Luxembourg), July 31st, 2008
- “Deformations of coisotropic Submanifolds and the BFV-Complex” at the University of Copenhagen (Denmark), January 26th, 2009
- “Chain-level structures for coisotropic submanifolds” at the Instituto Superior Tecnico Lisbon (Portugal), May 5th, 2009
- “Homological algebra of coisotropic submanifolds” at the University of Utrecht (Netherlands), June 2nd, 2009
- “Deformations of coisotropic submanifolds” at “Higher Structures in Geometry and Physics, 2009” the University of Zurich (Switzerland), November 17th, 2009
- “Deformations of coisotropic submanifolds” at “Poisson.at.PT” at the University of Coimbra (Portugal), November 28th, 2009

- “Deformations of Lie brackets” at the University of Porto (Portugal), December 4th, 2009
- “A van Est Theorem for representations up to homotopy” at the University of Zurich (Switzerland), March 4th, 2010
- “Lie theory for representations up to homotopy, part 1” at ESI in Vienna (Austria), September 30th, 2010
- “The BFV complex and higher homotopy structures” at Jussieu, Paris (France), November 15th, 2010
- “Lie theory for representations up to homotopy” at Ecole polytechnique, Paris (France), November 16th, 2010
- “De Rham’s theorem and parallel transport” at the University of Göttingen, Göttingen (Germany), March 1st, 2011
- “ A_∞ de Rham Theorem and higher parallel transport” in the Deformation Theory Seminar at the University of Pennsylvania, Philadelphia (USA), April 20th, 2011
- “De Rham’s theorem and (higher) parallel transport” at Penn State College, Penn State College (USA), April 26th 2011
- “Lie theory for representations up to homotopy” at the workshop “Poisson geometry and applications”, Figueira da Foz (Portugal), June 13th, 2011

OTHER ACTIVITIES

1. Referee and review activities

- Reviewer for AMS Mathematical Reviews