

Dietrich Burde

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Education

- 1999 **Habilitation**, *Heinrich-Heine-Universität Düsseldorf*, Germany.
Left-invariant affine structures on nilpotent Lie groups.
- 1992 **Thesis**, *Friedrich-Wilhelms-Universität Bonn*, Germany.
Left-symmetric algebras and left-symmetric structures on Lie algebras
Advisor, Prof. Dr. Fritz Grunewald.
- 1983–1988 **Music**, *Musikhochschule*, Frankfurt a.M., Germany.
Graduated with High Honor.
- 1983–1988 **Mathematics**, *Johann-Wolfgang-Goethe-Universität*, Frankfurt a.M., Germany.
Graduated with High Honor.

Employment

- 2007–Present **Associate Professor**, *Universität Wien*, Austria.
Permanent Position.
- 2004 **Visiting Professor**, *KU Leuven*, Belgium.
6 month
- 2004 **Professeur invité**, *Université de Mulhouse*, France.
1 month
- 2002–2007 **Associate Professor**, *Universität Wien*, Austria.
- 2001–2002 **Visiting Professor**, *IUB*, Bremen, Germany.
- 1995–2001 **Assistant Professor**, *Universität Düsseldorf*, Germany.
- 1994–1995 **Visiting Assistant Professor**, *Yale University*, New Haven, U.S.A.

Research Grants

- 2009–2013 **FWF-Einzelprojekt**, *Geometric Structures on Lie Groups*, Universität Wien.
1 postdoc, 1 predoc.
- 2006–2009 **IK-Kolleg**, *Differential Geometry and Lie Groups*, Universität Wien.
2 predocs.
- 2004 **Research Grant of the FWO**, *Belgium*.
Fonds voor Wetenschappelijk Onderzoek.

Awards and Scholarships

- 1990-1992 **Promotionsstipendium**, *Studienstiftung des Deutschen Volkes*.
1983-1989 **Studienstipendium**, *Studienstiftung des Deutschen Volkes*.

Student Supervision

- 2013 **Felix Behringer**, *Étale representations of reductive Lie groups*, PhD thesis, Universität Wien.
Defensio
- 2011 **Thomas Beneš**, *Degenerations of Lie algebras and pre-Lie algebras*, PhD thesis, Universität Wien.
Defensio 28.06.2011
- 2009 **Wolfgang Moens**, *Faithful representations of minimal degree for Lie algebras with abelian radical*, PhD thesis, Universität Wien.
Defensio 25.06.2009

Selected Recent Publications

- 2012 **Periodic derivations and prederivations of Lie algebras**, with *W. Moens*, *Journal of Algebra*, Vol. 357, 208-221.
- 2012 **Abelian ideals of maximal dimension for solvable Lie algebras**, with *M. Ceballos*, *Journal of Lie Theory*, Vol. 22, 741-756.
- 2011 **Faithful Lie algebra modules and quotients of the universal enveloping algebra**, with *W. Moens*, *Journal of Algebra*, Vol. 325, Issue 1, 440-460.
- 2010 **Complete LR-structures on solvable Lie algebras**, with *K. Dekimpe and K. Vercauteren*, *Journal of Group Theory* 13, Issue 5, 703-719.
- 2009 **Affine actions on nilpotent Lie groups**, *Forum Mathematicum* 21, no. 5, 921-934.
- 2009 **Degenerations of pre-Lie algebras**, *Journal of Mathematical Physics* 50, no. 11, 112102, 9 pp.
- 2009 **LR-algebras**, *Contemporary Mathematics* 491, 125-140.
- 2009 **Computing faithful representations for nilpotent Lie algebras**, with *B. Eick and W. de Graaf*, *Journal of Algebra* 322, No. 3, 602-612.

Selected Recent Invited Talks

- 2012 **Post-Lie algebra structures and nil-affine actions of Lie groups**, *Mathematisches Kolloquium*, Universität Wien.
- 2011 **Faithful representations of finite-dimensional Lie algebras**, *Main Lecture*, Bicocca-Workshop on Lie Algebras 2012, Università degli Studi di Milano – Bicocca.
- 2011 **Constructing faithful Lie algebra representations**, *Section Talk*, Discrete Groups and Geometric Structures VI 2012, Oostende, Belgium.