

Curriculum Vitae

Personal

Last name: SEMMELMANN
First name: Uwe
Birth date and place: January 6, 1965, Berlin - Germany
Nationality: German
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Home address: Weissdornweg 31, 71263 Weil der Stadt, Germany
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Education

B.S. (diplom): Humboldt Universität, Berlin, 1990
Ph.D.: Humboldt Universität, Berlin, 1995
habilitation: Universität München, 2002

Areas of Research

Dirac operators on Riemannian manifolds, Killing spinors, Quaternion Kähler geometry, Weitzenböck formulae, Special structures in Differential Geometry, e.g. nearly Kähler manifolds, weak G_2 -manifolds, Sasakian manifolds, conformal Killing forms, extremal metrics

Professional Appointments

1995-1997: Institut für Mathematik, Universität Bonn (post-doc position)
1997-1998: Max-Planck Institut für Mathematik, Bonn
1998-2002: Institut für Mathematik, Universität München (research assistant)
2002-2005: Fachbereich Mathematik, Universität Hamburg (junior professorship)
2005-2010: Institut für Mathematik, Universität Köln, professor of mathematics
2010-present: Universität Stuttgart, professor of mathematics

Publications (selection)

- Semmelmann U.; Weingart G.: *The standard Laplace operator*. Manuscripta Math. (2018)
Doi: 10.1007/s00229-018-1023-2
- Heil, K.; Moroianu, A.; Semmelmann, U.: *Killing and conformal Killing tensors*. J. Geom. Phys. 106 (2016), 383–400.
- Moroianu, A.; Semmelmann, U.: *Weakly complex homogeneous spaces*. J. Reine Angew. Math. 691 (2014), 229–244.
- Moroianu, A.; Pilca, M.; Semmelmann, U.: *Homogeneous almost quaternion-Hermitian manifolds*. Math. Ann. 357 (2013), no. 4, 1205–1216.
- Gauduchon, P.; Moroianu, A.; Semmelmann, U.: *Almost complex structures on quaternion-Kähler manifolds and inner symmetric spaces*. Invent. Math. 184 (2011), no. 2, 389–403.