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Academic positions

2013-present	Head of Department, Department of Mathematics and Computer Science, University of Southern Denmark.
2006-present	Associate professor of mathematics, Department of Mathematics and Computer Science, University of Southern Denmark.
2005-2006	Post-doctoral research fellow, University of Leeds
2004-2005	Lecturer in mathematics, Lund University.
1999-2004	PhD student in mathematics, Lund University.

Academic degrees

2004	Doctor of philosophy in mathematics, Lund University
2002	Licentiate of Philosophy in mathematics, Lund University

Publications

Risk of uterine rupture in multiparous women after induction of labor with prostaglandin: A national population-based cohort study

Ryberg, J., Carlsson, Y., Svensson, M., Thunström, E. & Svanvik, T., Apr 2024, In: International Journal of Gynecology and Obstetrics. 165, 1, p. 328-334

Harmonic surfaces in the Cayley plane

Correia, N., Pacheco, R. & Svensson, M., Mar 2021, In: Journal of the London Mathematical Society. 103, 2, p. 353-371

Continuous deformations of harmonic maps and their unitons

Aleman, A., Martín, M. J., Persson, A. M. & Svensson, M., 1. Dec 2019, In: Monatshefte für Mathematik. 190, 4, p. 599-614 16 p.

Complete minimal submanifolds of compact Lie groups

Gudmundsson, S., Svensson, M. & Ville, M., 1. Apr 2016, In: Mathematische Zeitschrift. 282, 3, p. 993-1005

Harmonic maps into the exceptional symmetric space $G_2/SO(4)$

Svensson, M. & C. Wood, J., 2015, In: Journal of the London Mathematical Society. 91, 1, p. 291-319

Skyrme-Faddeev Instantons on Complex Surfaces

Svensson, M. & Slobodeanu, R., 2015, In: Communications in Mathematical Physics. 335, 1, p. 83-91

Timelike Constant Mean Curvature Surfaces with Singularities

Svensson, M. & Brander, D., Jul 2014, In: Journal of Geometric Analysis. 24, 3, p. 1641-1672

Complete minimal submanifolds of compact Lie groups

Gudmundsson, S., Svensson, M. & Ville, M., 2014, 14 p.

Harmonic morphisms from four-dimensional Lie groups

Svensson, M. & Gudmundsson, S., 2014, In: Journal of Geometry and Physics. 83, p. 1-11

Harmonic morphisms from homogeneous spaces of positive curvature

Svensson, M. & Gudmundsson, S., 2014, In: *Mathematical Proceedings of the Cambridge Philosophical Society*. 157, 2, p. 321-327

New constructions of twistor lifts for harmonic maps

Svensson, M. & C. Wood, J., 2014, In: *Manuscripta Mathematica*. 144, 3-4, p. 457-502

The geometric Cauchy problem for surfaces with Lorentzian harmonic Gauss maps

Svensson, M. & Brander, D., 2013, In: *Journal of Differential Geometry*. 93, 1, p. 37-66

Filtrations, factorizations and explicit formulae for harmonic maps

Svensson, M. & Wood, J. C., 2012, In: *Communications in Mathematical Physics*. 310, 1, p. 99-134

On the existence of harmonic morphisms from three-dimensional Lie groups

Svensson, M. & Gudmundsson, S., 2011, *Harmonic Maps and Differential Geometry*. Loubeau, E. & Montaldo, S. (eds.). American Mathematical Society, 6 p. (Contemporary Mathematics, Vol. 542).

Some global minimizers of a symplectic Dirichlet energy

Svensson, M. & Speight, J. M., 2011, In: *The Quarterly Journal of Mathematics*. 62, 3, p. 737-745

Harmonic morphisms from solvable Lie groups

Svensson, M. & Gudmundsson, S., 2009, In: *Mathematical Proceedings of the Cambridge Philosophical Society*. 147, p. 389-408

Twistor spaces, pluriharmonic maps and harmonic morphisms

Svensson, M. & Simoes, B. A., 2009, In: *The Quarterly Journal of Mathematics*. 60, 3, p. 367-385

On the existence of harmonic morphisms from certain symmetric spaces

Svensson, M. & Gudmundsson, S., 2007, In: *Journal of Geometry and Physics*. 57, 2, p. 353-366

On the Faddeev-Hopf model and a conjecture by Ward

Svensson, M., 2007, *Symposium on the differential geometry of submanifolds: Proceedings, Valenciennes, 2007*. Dillen, F., Simon, U. & Vrancken, L. (eds.). AAAI Press, p. 155-162 8 p.

On the strong Coupling Limit of the Faddeev-Hopf Model

Svensson, M. & Speight, J. M., 2007, In: *Communications in Mathematical Physics*. 272, 3, p. 751-773

Harmonic Morphisms between Riemannian Manifolds

Gudmundsson, S. & Svensson, M., 2006, In: *Bulletin of the London Mathematical Society*. 38, 5, p. 869-872

Harmonic morphisms from the compact semisimple Lie groups and their non-compact duals

Svensson, M. & Gudmundsson, S., 2006, In: *Differential Geometry and its Applications*. 24, 4, p. 351-366

Harmonic morphisms from the Grassmannians and their non-compact duals

Svensson, M. & Gudmundsson, S., 2006, In: *Annals of Global Analysis and Geometry*. 30, 4, p. 313-333

Harmonic morphisms in Hermitian geometry

Svensson, M., 2004, In: *Journal für die reine und angewandte Mathematik*. 575, p. 45-68

Harmonic morphisms from even-dimensional hyperbolic spaces

Svensson, M., 2003, In: *Mathematica Scandinavica*. 92, p. 246-260

Holomorphic foliations, harmonic morphisms and the Walczak formula
Svensson, M., 2003, In: *Journal of the London Mathematical Society*. 68, 3, p. 781-794

On holomorphic harmonic morphisms
Svensson, M., 2003, In: *Manuscripta Mathematica*. 107, 1, p. 1-13