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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

### 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., 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, 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 : 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 : 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

## Conference organisation

### Winter School on Geometry and Theoretical Physics

Martin Svensson (Organizer)

19. Dec 2011 → 20. Dec 2011

### Winter School on Geometry and Theoretical Physics

Martin Svensson (Organizer)

1. Nov 2010 → 5. Nov 2010

### Conference on the Origin of Mass

Martin Svensson (Organizer)

3. May 2010 → 7. May 2010

### Winter School on Geometry and Theoretical Physics

Martin Svensson (Organizer)

26. Nov 2009 → 27. Nov 2009

### Differential Geometry Day

Martin Svensson (Organizer)

10. Oct 2008

### Dynamical Electroweak Symmetry Breaking

Martin Svensson (Organizer)

9. Sep 2008 → 13. Sep 2008

### Odense Winter School in Geometry and Theoretical Physics

Martin Svensson (Organizer)

6. Jan 2008 → 13. Jan 2008

## Some lecture invitations

2012	Lund Differential Geometry Day, Lund University.
2011	Geometry Seminar, Université de Tours.
2011	Analysis Seminar, Lund University.
2009	Differential Geometry Seminar, Technical University of Denmark.
2008	Differential Geometry Seminar, Centro de Matemática e Aplicações Fundamentais, University of Lisbon.
2007	Symposium on the Differential Geometry of Submanifolds, Université de Valenciennes.