

CURRICULUM VITAE

Søren Galatius

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PERSONAL DATA

Born August 1, 1976 in Randers, Denmark. Danish citizen.

EDUCATION

Ph. D. in Mathematics, Aarhus University, 2004

M. S. in Mathematics, Aarhus University, 2002

B. S. in Physics, Aarhus University, 1998

EMPLOYMENT

Szegő Assistant Professor, Stanford University (9/04 - 8/06)

Assistant Professor, Stanford University (9/06 - 8/08)

Associate Professor, Stanford University (9/08 - present)

INVITED LECTURES

Conferences and Colloquia

NAS-Cinvestav lecture, Mexico City, Mexico, 12/09

AMS sectional meeting, UC Riverside, 11/09

Alg. structures in the theory of holomorphic curves, MSRI, 11/09

Loops, Strings and moduli spaces, Tianjin, China, 8/09

Colloquium, Nagoya, Japan, 7/09

First PRIMA conference, Sydney, Australia, 7/09

Geometry and Topology, Münster, Germany, 6/09

Symmetries in Geometry and Physics, Havana, Cuba, 12/08

Algebraic Topology, Buenos Aires, Argentina, 11/08

Arolla Topology Conference, Arolla, Switzerland, 8/08

European Congress of Mathematics, Amsterdam, 7/08

HOCAT, Barcelona, Spain, 7/08

Plenary talk, AMS regional, Baton Rouge, 3/08

AMS Joint Mathematics Meeting, San Diego, 1/08

Algebraic Topology, Angers, France, 8/07

Plenary talk, Postnikov Memorial, Bedlewo, Poland, 6/07
Geometry and Physics, Villa de Leyva, Colombia, 6/07
Colloquium, University of Oregon, 5/07
Colloquium, Rutgers, 3/07
Colloquium, University of Virginia, 3/07
Topology, Banff, Canada, 2/07
Colloquium, UC Santa Cruz, 10/06
First Copenhagen Topology Conference, Copenhagen, 9/06
Wasatch Topology Conference, Park City, Utah, 8/06
Geometric Group Theory, Montreal, 7/06
Cornell Topology Festival, 5/06
String Topology, Morelia, Mexico, 1/06
Brandeis-Harvard-MIT-Northeastern joint Colloquium, 9/05
Algebraic and Differential Topology (Hsiang), Stanford, 8/05
Midwest Topology, Chicago, 4/05
The Moduli Space of Curves, Palo Alto, 3/05
String Topology, Stony Brook, 8/03
Mapping Class Groups et Homotopie Stable, Luminy, France, 1/02
Junge Topologen und Neue Topologie, Münster, Germany, 9/01

Seminars

Aarhus (2002-2007, 2009), Aberdeen (2002), Trondheim (2002, 2005), Oxford (2003, 2009), Oslo (2003, 2009), Lille (2003), Stanford (2005), MIT (2005, 2006, 2008, 2009), Chicago (2005), Northwestern (2005), Urbana-Champaign (2005), Harvard (2005), Johns Hopkins (2006), Rome (2006), Princeton (2006), NYU (2006), Copenhagen (2006, 2007, 2009), Oregon (2007), Virginia (2007), Berkeley (2008), Michigan (2008), Brandeis (2009), Melbourne (2009)

General audience

Faculty of Sciences 50th Anniversary, Aarhus University, 6/04

AWARDS AND HONORS

NSF grants DMS0505740 (2005-2008), DMS0805843 (2008-2011)
Terman Fellowship Award 2007–2010
Clay Research Fellowship 2007–2010
Royal Danish Academy of sciences “silver medal” (2010)

OTHER ACADEMIC FUNCTIONS

Coorganizer, Department colloquium, 2007-

Coorganizer, *Homotopy of Moduli Spaces*, Oberwolfach 10/03

Coorganizer, *Topology of Moduli Spaces*, Stanford 1/07

Coorganizer, *Loops, Strings and Moduli Spaces*, Tianjin, China, 8/09

Reviewer for the National Science Foundation

Referee for many journals

PAPERS

1. S. Galatius: *Mod p homology of the stable mapping class group*, *Topology* **43** (2004), 1105–1132.
2. S. Galatius: *Mod 2 homology of the stable spin mapping class group*, *Math. Ann.* **334** (2006), 439 - 455.
3. S. Galatius, I. Madsen, U. Tillmann: *Divisibility of the stable Miller-Morita-Mumford classes*, *J. Amer. Math. Soc.* **19** (2006), no. 4, 759–779.
4. S. Galatius: *Secondary characteristic classes of surface bundles*. *Algebraic & Geometric Topology* **9** (2009) 293-303
5. S. Galatius, I. Madsen, U. Tillmann, M. Weiss: *The homotopy type of the cobordism category*. *Acta Math.* 202 (2009), no. 2, 195–239.
6. R. Cohen, S. Galatius, N. Kitchloo: *Universal moduli spaces of surfaces with flat connections and cobordism theory*. *Adv. Math.* 221 (2009), no. 4, 1227–1246.
7. S. Galatius: *Stable homology of automorphism groups of free groups*. *Ann. of Math.* Accepted. arXiv:math/0610216.
8. Ya. Eliashberg, S. Galatius: *Homotopy theory of compactified moduli space*, in *Analysis and Topology in Interaction*, eds. U. Bunke, S. Goette, K. Igusa, T. Schick. Oberwolfach report 13/2006. Available at http://www.mfo.de/programme/schedule/2006/11/OWR_2006_13.pdf
9. S. Galatius, Ya. Eliashberg, N. Mishachev: *Madsen-Weiss for geometrically minded topologists*. Submitted. arXiv:0907.4226.
10. S. Galatius, O. Randal-Williams: *Monoids of moduli spaces of manifolds*. Submitted. arXiv:0905.2855.