Curriculum Vitae

I General Informations

Name: Felix Schlenk
born in Zürich, Switzerland, on 15. 9. 1970
Nationality: Swiss

II University titles

11/1995	Diplom at ETH Zürich; with distinction on a topic in spectral and contact geometry Advisor: Prof. Bruno Colbois
6/2001	PhD in mathematics at ETH Zürich Title: Embedding Problems in Symplectic Geometry Advisor: Prof. Eduard Zehnder Coreferee: Prof. Dietmar Salamon
9/2005	Chargé de cours at ULB Brussels
8/2008	Professor at Université de Neuchâtel

III Scientific Carrier

1/1996–1/2001	Studies in mathematics at ETH Zürich Thesis advisor: Prof. E. Zehnder Assistant at the Department of mathematics
10/2001–6/2002	PostDoc at Tel Aviv University, Israel
7/2002–7/2003	PostDoc at ETH Zürich
8/2003–8/2005	PostDoc at Leipzig University
9/2005–7/2008	Chargé de cours at l'ULB Brussels
since 8/2008	Professor at Université de Neuchâtel

IV PhD theses

Muriel Heistercamp, "La conjecture de Weinstein avec multiplicité", in preparation.

Dorothee Müller, "Plongements symplectiques d'ellipsoïdes", in preparation.

V Organization of conferences

Symplectic Geometry, May 12–16, 2003, at ETH Zürich, together with Dietmar Salamon and Edi Zehnder
http://www.fim.math.ethz.ch/activities/special/2003/symplectic_geometry.pdf

Floer Theory and Symplectic Dynamics, May 19–24, 2008, at Université de Montréal, together with Octav Cornea (Montréal) and Leonid Polterovich (Tel Aviv)
http://www.crm.math.ca/Floer08

Edi Fest, November 8–12, 2010, at ETH Zürich, together with Paul Biran, Dietmar Salamon, Helmut Hofer and Yasha Eliashberg

Publication list

For the full list of publications, see   http://www.ams.org/mathscinet/search.html

Peer-reviewed articles

[1] L. Macarini and F. Schlenk. A refinement of the Hofer-Zehnder theorem on the existence of closed trajectories near a hypersurface. *Bull. London Math. Soc.* **37** (2005) 297–300.

[2] U. Frauenfelder, V. Ginzburg and F. Schlenk. Energy capacity inequalities via an action selector. Geometry, spectral theory, groups, and dynamics, 129–152. *Contemp. Math.* **387**, Amer. Math. Soc., Providence, RI, 2005.

[3] U. Frauenfelder and F. Schlenk. Volume growth in the component of the Dehn–Seidel twist. *Geom. Funct. Anal.* **15** (2005) 809–838.

[4] F. Schlenk. Packing symplectic manifolds by hand. *J. Symplectic Geom.* **3** (2005) 313–340.

[5] F. Schlenk. Applications of Hofer's geometry to Hamiltonian dynamics. *Comment. Math. Helv.* **81** (2006) 105–121.

[6] U. Frauenfelder and F. Schlenk. Fiberwise volume growth via Lagrangian intersections. *J. Symplectic Geom.* **4** (2006) 117–148.

[7] U. Frauenfelder and F. Schlenk. Hamiltonian dynamics on convex symplectic manifolds. *Israel J. Math.* **159** (2007) 1–56.

[8] Yu. Rudyak and F. Schlenk. Minimal atlasses of closed symplectic manifolds. *Commun. Contemp. Math.* **9** (2007) 1–45.

[9] K. Cieliebak, H. Hofer, J. Latschev and F. Schlenk. Quantitative symplectic geometry. Dynamics, Ergodic Theory and Geometry, 1–44, *Math. Sci. Res. Inst. Publ.* **54**, Cambridge Univ. Press, Cambridge, 2007.

[10] Yu. Chekanov, F. Schlenk and O. van Koert. Minimal atlasses of closed contact manifolds. New perspectives and challenges in symplectic field theory, 73–112, CRM Proc. Lecture Notes, **49**, AMS, Providence, RI, 2009.

[**11**] D. McDuff and F. Schlenk. The embedding capacity of 4-dimensional symplectic ellipsoids. arXiv:0912.0532, submitted.

[**12**] Yu. Chekanov and F. Schlenk. Product Lagrangian tori in tame symplectic manifolds. Preprint 2010.

The articles directly related to the present project are [2], [4], [9], [11], as well as the book below.

Books

[**1**] F. Schlenk. *Embedding problems in symplectic geometry.* De Gruyter Expositions in Mathematics. Walter de Gruyter Verlag, Berlin, 2005, xii+278 pp.