

# Marko Slapar

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## RESEARCH INTERESTS

Several complex variables. Soft methods in CR geometry. Low-dimensional topology.

## EDUCATION

*University of Michigan, Ann Arbor, Michigan USA*  
Ph.D. In Mathematics, August 2003  
Advisor: John Erik Fornaess  
Thesis: Real surfaces in complex surfaces  
M.S. in Mathematics, December 1999

*University of Ljubljana, Ljubljana, Slovenia*  
M.S. in Mathematics, June 2000  
Advisor: Franc Forstnerič  
B.S. in Mathematics, September 1997  
Advisor: Josip Globevnik

## HONORS AND AWARDS

*Rackham One-term Dissertation Fellowship*, University of Michigan, 2003  
*Študentska Prešernova nagrada*, University of Ljubljana, FMF, 1997

## ACADEMIC EXPERIENCE

*Institute of Mathematics, Physics and Mechanics*, Ljubljana, Slovenia  
Researcher April 2003-present

*University of Ljubljana, Faculty of Education*, Ljubljana, Slovenia  
Professor October 2009 - present

*University of Ljubljana, Faculty of Mathematics and Physics*, Ljubljana, Slovenia  
Assistant October 2003 - September 2009

*University of Bern, Bern, Switzerland*  
Post-doc March 2006 - September 2006

*University of Michigan, Ann Arbor, Michigan USA*  
Graduate student and Teaching assistant September 1998 - March 2003

## POSSITIONS

*President of the Academic council*, Faculty of Education, University of Ljubljana  
May 2015 - present

## PAPERS

*On Complex Points of Codimension 2 Submanifolds*, J. Geom. Anal. 26 (2016), no. 1, 206219

*CR regular embeddings and immersions of compact orientable 4-manifolds into  $C^3$* , Internat. J. Math. 26 (2015), no. 5

*Canceling Complex Points in Codimension 2*, Bulletin of the Australian Mathematical Society 88 (2013), no.1, 64-69

*Modeling Complex Points up to Isotopy*, J. Geom. Anal. 23 (2013), no. 4, 1932-1942

with J. Prezelj, *The generalized Oka-Grauert principle for 1-convex manifolds*, Michigan Math. J. 60 (2011), no. 3, 495-506

with F. Forstnerič, *Deformations of Stein structures and extensions of holomorphic mappings*, Math. Res. Lett. 14 (2007), no. 2, 343-357

with F. Forstnerič, *Stein structures and holomorphic mappings*, Math. Z. 256 (2007), no. 3, 615-646

*Real surfaces in elliptic surfaces*, Internat. J. Math. 16 (2005), no. 4, 357-363

*On Stein neighborhood basis of real surfaces*, Math. Z. 247 (2004), no. 4, 863-879

**INVITED  
TALKS**

*On Thom conjecture in  $CP^3$* , Sanya School in Complex Analysis and Geometry, Tsinghua Sanya International Mathematics Forum, January 16-20, 2016, Sanja, China

*On Thom conjecture in higher dimensions*, Universite des Sciences et Technologies de Lille, France, September 2015

*On CR singular points of real submanifolds*, Analysis and geometry in several complex variables, Texas A&M University, January 4-8, 2015, Doha, Qatar

*Complex points of codimension 2 submanifolds*, TSIMF Symposium on Complex Analysis and Complex Dynamics, Sanya, China, May 12-16, 2014

*Real 4 manifolds in complex 3 manifolds*, Norges teknisk-naturvitenskapelige universitet, Institutt for matematiske fag, Trondheim, Norway, September 2013

*Soft Oka principle for Stein manifolds*, Universität Wien, Fakultät für Mathematik, Austria, April 2013

*CR singular points of real manifolds in complex manifolds*, Workshop Geometric and Complex Analysis, Departamento de Geometria y Topologia, Universidad de Granada, Spain, November 22-23, 2012

*Complex points of 4 manifolds in 3 manifolds*, Universität Wien, Fakultät für Mathematik, Austria, November 2011

*On CR singular points of real manifolds in complex manifolds*, Joint Mathematical Conference of the Austrian Mathematical Society at the Donau-Universität Krems, Austria, September 25-28, 2011

*Real four manifolds in complex three manifolds*, Universite des Sciences et Technologies de Lille, France, November 2010

*On the topological characterization of Stein manifolds*, Universite des Sciences et Technologies de Lille, France, December 2009

*Stein neighborhoods of real surfaces in complex surfaces*, Universite J. Fourier, Greno-

ble, France, December 2006

*Stein structures and holomorphic mappings*, Universität Bern, Switzerland, September 2006

*Stein neighborhoods of real surfaces in complex surfaces*, Invariants in Low-dimensional Topology, Alfred Renyi Institute of Mathematics, Budapest, Hungary, June 16 - 21, 2003