

# Marko Slapar

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Faculty of Mathematics and Physics  
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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

*Best teacher award*, University of Ljubljana, 2012

*Rackham Dissertation Fellowship*, University of Michigan, 2003

*Študentska Prešernova nagrada*, University of Ljubljana, FMF, 1997

## ACADEMIC EXPERIENCE

*University of Ljubljana, Faculty of Mathematics and Physics*, Ljubljana, Slovenia

Associate professor

October 2023 - present

*University of Ljubljana, Faculty of Education*, Ljubljana, Slovenia

Associate professor

October 2009 - 2023

*Institute of Mathematics, Physics and Mechanics*, Ljubljana, Slovenia

Researcher

April 2003-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

## POSSITIONS

*Head of the Department of Mathematics and Computer science*, Faculty of Education,  
University of Ljubljana  
October 2016 - July 2023

*President of the Academic council*, Faculty of Education, University of Ljubljana

May 2015 - May 2021

**SELECTED  
PAPERS**

*Polynomial convexity with degree bounds*, Comp. Var. and Elli. Equ. 2024

with D. Ruberman and S. Strle, *On the thom conjecture in  $CP^3$* , International mathematics research notices, 2023

with B. Drinovec Drnovšek, *Proper holomorphic curves attached to domain*, Complex variables and elliptic equations, 2020

with T. Starčič, *On Normal Forms of Complex Points of codimension 2 submanifolds*, J. Math. Anal. Appl., 2018

with R. Torres, *Existence results of totally real immersions and embeddings into  $Cn$* , Proceedings of the American Mathematical Society, 2018

*On complex points of codimension 2 submanifolds*, The Journal of geometric analysis, 2016

**SELECTED  
CONFERENCE  
TALKS**

*Representing homology classes of complex hypersurfaces in  $CP^3$* , Interactions between Symplectic and Holomorphic Convexity in 4 Dimensions, 2023, Banff, Canada

*On totally real immersions and embeddings of real manifolds into  $Cn$* , Virtual Conference in Complex Analysis and Geometry, 2020, London, Canada

*Totally real immersions and embeddings of simply connected 5-manifolds*, First Central European Complex Analysis Meeting, 2017, Vienna, Austria

*On the moduli space of quadratically flat complex points*, 19th OMG Congress and Annual DMV Meeting, September 11-15, 2017, Salzburg, Austria

*On Thom conjecture in  $CP^3$*  Analysis and geometry in several complex variables II., Texas A&M University, 2017, Doha, Qatar

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