

## Aleksandar Milivojevic

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CONTACT INFORMATION	Mathematics Department Stony Brook University 100 Nicolls Road Stony Brook, 11794, New York	Phone: +1 631 994 9870 E-mail: milivojevic@math.stonybrook.edu Office: 3-104
RESEARCH INTERESTS	Rational homotopy theory and its application to the study of complex structures on manifolds	
EDUCATION	<b>Stony Brook University</b> , Stony Brook, NY Ph.D. student, <i>Mathematics</i> , August 2015 –  <b>University of Zagreb</b> , Zagreb, Croatia M.S., Theoretical Mathematics, 2015, <i>Summa Cum Laude</i> - Advisor: Goran Muic B.S., Mathematics, 2013	
RESEARCH	On the minimal sum of Betti numbers of an almost complex manifold, with M. Albanese, <i>Differential Geometry and its Applications</i> , 2018; <a href="#">link</a>	
AWARDS AND STIPENDS	<ul style="list-style-type: none"><li>- The John W. Milnor Endowed Graduate Fund in Math, Stony Brook, 2018</li><li>- Mathematics departmental award for M.S. students, University of Zagreb, 2015</li><li>- Mathematics departmental award for B.S. students, University of Zagreb, 2013</li><li>- Academic Stipend from the City of Dubrovnik, Croatia, 2013–2015</li><li>- Academic Stipend from the Croatian Ministry of Education, 2012–2013</li><li>- Stipend from the Croatian National Center for External Evaluation of Education, 2011–2012</li></ul>	
TALKS AND SEMINARS	CUNY Graduate Center <i>K</i> -theory seminar, <i>Construction and degeneration of the Frölicher spectral sequence</i> , November 2018  Stony Brook University Symplectic Geometry student seminar, <i>Symplectic non-Kähler manifolds</i> , August 2018  University of Zagreb, Croatia, departmental topology seminar, <i>On the minimal sum of Betti numbers of an almost complex manifold</i> (in Croatian), July 2018  CUNY Graduate Center almost complex geometry seminar, <i>Degeneration of the Frölicher spectral sequence and nilmanifolds</i> , June 2018  CUNY Graduate Center almost complex geometry seminar, <i>Producing rational homology six-spheres with and without almost complex structures</i> , June 2018  CUNY Graduate Center almost complex geometry seminar, <i>The minimal sum of Betti numbers of an almost complex manifold</i> , May 2018  CUNY Graduate Center almost complex geometry seminar, <i>Almost complex spheres</i> , May 2018	

CUNY Graduate Center almost complex geometry seminar, *Relations among Hodge numbers on a complex  $S^6$* , March and April 2018

Stony Brook University Graduate Student Seminar, *Computations in Cartan–de Rham homotopy theory*, February 2018

Dennis Sullivan’s Stony Brook seminar, *Almost complex and stable almost complex structures in low dimensions*, October 2017

Algebraic Models in Geometry graduate student seminar, Stony Brook University, September –October 2017 (co-organizer)

Workshop on J-holomorphic curves and Gromov–Witten invariants at the National Institute of Science Education and Research (NISER) Bhubaneswar, India, *Rational homotopy theory of loop spaces*, July 2017

Dennis Sullivan’s CUNY Graduate Center seminar, *Minimal models and the fundamental group*, May 2017

Dennis Sullivan’s Stony Brook seminar – *Rational homotopy of a fibration*, March 2017, *Introduction to rational homotopy theory*, September 2017

Rational Homotopy Theory graduate student seminar, Stony Brook University, Spring 2017 (co-organizer)

Stony Brook University Graduate Student Seminar, *Cobordism*, Fall 2016

WORKSHOPS AND  
CONFERENCES

European Talbot workshop on free loop spaces, Fischbach bei Dahn, Germany, July–August 2018

Jim Simons 80<sup>th</sup> birthday conference – Fluids in  $\dim \leq 3$  and complex manifolds in  $\dim \geq 3$ , CUNY Graduate Center, April 2018

Workshop on J-holomorphic curves and Gromov–Witten invariants at the National Institute of Science Education and Research (NISER) Bhubaneswar, India, July 2017

*Algebraic Geometry Northeastern Series*, November 2016, University of Massachusetts Amherst

*Graduate Student Conference in Algebra, Geometry, and Topology*, May 2016, Temple University

*Algebraic Geometry Northeastern Series*, April 2016, Yale University

TEACHING  
EXPERIENCE

Teaching Assistant, Stony Brook University

- *Introduction to Analysis*, Fall 2017
- *Differential Equations with Linear Algebra*, Spring 2016
- *Differential Equations: Dynamics and Change* (grader), Spring 2016
- *Calculus*, Fall 2015, Fall 2016, Spring 2017, Spring 2018

Junior Teaching Assistant, University of Zagreb

- *Linear Algebra, Probability, Set Theory, Metric Spaces*

OUTREACH AND  
SERVICE

American Mathematical Society Graduate Student Chapter at Stony Brook, *President*,  
2017–2019

David Kahn's *Saturday Applied Math program* for high-school students, Spring 2018

*Math in Jeans* at Stony Brook, Spring 2018