Jaikrishnan Janardhanan

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	Personal Information
Name	Jaikrishnan Janardhanan
Date of birth	3rd January, 1988
Gender	Male
Nationality	Indian
	Employment
2015-now	Inspire Hosted Faculty, Indian Institute of Technology Madras, Chennai, India.
2014-2015	Research Associate, Indian Institute of Science, Bangalore, India.
	Education
2007-2014	Integrated Ph.D. in Mathematics , <i>Indian Institute of Science</i> , Bangalore, India. (Ph.D. awarded in June 2014)
2004-2007	B.Sc. (Honours) in Mathematics, Sri Sathya Sai University, Prasanthinilayam, India.
	Academic Honours
INSPIRE Faculty Award	I was selected for the INSPIRE faculty award by the Department of Science and Technology, India.
Martin Foster Medal	I was awarded the Sir Martin Forster medal for the best thesis in Mathematical Sciences for the year 2013-14 by the Indian Institute of Science in July 2015.
	Reports
Ph.D. thesis	On the structure of proper holomorphic mappings, January, 2014.
Advisor	Gautam Bharali
M.S. project	Some results on holomorphic mappings of domains in \mathbb{C}^n , June 2009.
Advisor	Gautam Bharali
	Research Interests
	• Several Complex Variables
	• Complex Dynamics
	• Complex Geometry
	Publications
2019	(with Deserve Haridae) A 1 a sint a she was between days in standard 1 a this days and is to

2018 (with Pranav Haridas) A 1-point poly-quadrature domain of order 1 not biholomorphic to a complete circular domain, Anal. Math. Phys., DOI: 10.1007/s13324-018-0263-3

- 2018 (with Pranav Haridas) A note on the smoothness of the Minkowski function, arXiv:1805.11023
- 2018 (with Gautam Bharali, Indranil Biswas and Divakaran Divakaran) *Proper holomorphic* mappings onto symmetric products of a Riemann surface, Doc. Math. 23, 1291-1311 (2018), DOI: 10.25537/dm.2018v23.1291-1311
- 2017 (with Divakaran Divakaran) *Finiteness theorems for holomorphic mapping from products of hyperbolic Riemann surfaces*, Internat. J. Math., vol. 28 (2017), 1750060, 12 p. (electronic).
- 2015 Proper holomorphic self mappings of balanced domains in \mathbb{C}^n , Math. Z., vol. 280 (2015), no. 1, 257-268.
- 2014 *Proper holomorphic mappings between hyperbolic product manifolds*, Internat. J. Math., vol. 25 (2014), no. 4, 1450039, 10 p. (electronic).
- 2014 (with Gautam Bharali) Proper holomorphic maps between bounded symmetric domains revisited, Pacific J. Math., vol. 271 (2014), no. 1, 1-24.

Talks

- May 2017 "The Alexander phenomenon", Indian Institute of Technology Bombay, Mumbai.
- May 2017 **"Finiteness theorems for holomorphic mapping from products of hyperbolic Riemann surfaces"**, *Tata Institute of Fundamental Research, Mumbai.*
- November **"Proper holomorphic mappings of Balanced Domains"**, *Centre for Excellece in Mathe-*2016 *matical Sciences (CEMS), Almora*, Conference and workshop entitled "Complex Analysis: Geometric and Dynamical Aspects".
- March 2016 "Continuous Computing and Applications", International Institute of Information Technology, Hyderabad.
- June 2015 **"The Jordan–Schoenflies Theorem and Applications"**, *Indian Statistical Institute, Chennai Centre.*

Teaching Experience

- June 2018 Instructor for an Advanced Instructional School in "Several Complex Variables", Indian Institute of Science.
- May 2018 Instructor for a refresher course on "Riemann Surfaces", Kerala School of Mathematics.
- May 2018 **Instructor for a refresher course on "Topology"**, *Ramanujan Institute for Advanced study in Mathematics*.
- Jan-May 2018 Instructor for the course "Complex Analysis" (MA5360), Indian Institute of Technology Madras.
- Jan-May 2017 Instructor for the course "Series and Matrices" (MA1102), Indian Institute of Technology Madras.
- Jul-Dec 2016 Instructor for the course "Multivariable Calculus" (MA5371), Indian Institute of Technology Madras.
- Jan-May 2016 Instructor for the course "Complex Analysis" (MA5360), Indian Institute of Technology Madras.
 - Dec 2015 Instructor and tutor for a short course entitled "Introduction to Several Complex Variables", Indian Statistical Institute, Chennai Centre.
- Aug-Dec 2014 Instructor for the course "Complex Analysis II" (MA 226), Indian Institute of Science.
- Aug-Dec 2013 **Teaching Assistant for the course "Calculus I" (UM 101)**, *Indian Institute of Science*. Serving as an administrative assistant and TA supervisor.

- April 2012 **Tutor for National Board of Higher Mathematics Advanced Instructional School on Geometric Methods in Complex Analysis**, *Indian Institute of Science*. Also a gave a lecture entitled *The Remmert–Stein theorem for proper holomorphic mappings*.
- Jan-Apr 2012 Teaching Assistant for the course "Analysis II" (MA 222), Indian Institute of Science.
- Aug-Dec 2011 **Teaching Assistant for the course "Introduction to Several Complex Variables" (MA 328)**, *Indian Institute of Science*. Also served as a substitute teacher.
 - March 2010 Tutor for National Board of Higher Mathematics Advanced Training in Mathematics Workshop on Several Complex Variables and Complex Geometry, Indian Institute of Science.

Computer Skills

Languages C, C++, Rudy, Racket, Scala, SML, Python

References

- Harish Seshadri, Indian Institute of Science, harish@iisc.ac.in
- Kaushal Verma, Indian Institute of Science, kverma@iisc.ac.in