

## Personal Information

Citizenship United States of America

Current Address Shelby Center for Science and Technology, University of Alabama in Huntsville  
Department of Mathematics  
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## Employment

Fall 2022- Present Clinical Assistant Professor (Clinical), Department of Mathematics, University of Alabama in Huntsville

Fall 2018- Spring 2022 Assistant Professor (Instructional), Department of Mathematics, Texas A & M University at Qatar

Fall 2012- Summer 2018 Assistant Professor, Department of Mathematics, Alfaisal University

Fall 2006- Fall 2010 Lecturer, Department of Mathematics, University of Chicago

## Education

Awarded 2011 PhD in Mathematics, University of Chicago, Adviser: Sidney Webster

Awarded 2004 Bachelor/Master of Science, Michigan State University, With Honors in Mathematics

## Awards

College Fellowship, University of Chicago, September 2004-June 2011

## Recent Preprints

1. Explicit Holomorphic Structures for Embeddings of Closed 3-manifolds into  $\mathbb{C}^3$ , submitted for publication
2. The Bishop Invariant in Dimension Three, in preparation
3. On the Classification of Contact Structures on closed 3-manifolds, in preparation

## Published Articles

1. **On the Non-Existence of CR-Regular Embeddings of  $S^5$** , Complex Variables and Elliptic Equations Volume 64, Issue 9 (2019)

2. **Totally Real Perturbations and Nondegenerate Embeddings of  $S^3$** , New York Journal of Mathematics (2015)
3. **A Topological Obstruction to the Removal of a Degenerate Complex Tangent and Some Related Homotopy and Homology Groups**, International Journal of Mathematics (2015)
4. **Complex Tangencies to Embeddings of Heisenberg Groups and Odd-dimensional Spheres**, International Journal of Mathematics (2014)
5. **Bishop Invariants for Embeddings of  $S^3$  into  $\mathbb{C}^3$** , New York Journal of Mathematics (2014)
6. **On the Topological Structure of Complex Tangencies to Embeddings of  $S^3$  into  $\mathbb{C}^3$** , New York Journal of Mathematics (2012)

### Invited Talks

- November 2016 **Texas A & M University, Qatar**, *Complex Tangents to Embeddings of Real Manifolds*, Colloquium
- March 2015 University of Ljubljana, *Complex Tangents to Embeddings of 3-manifolds into  $\mathbb{C}^3$* , Seminar Series in Complex Analysis

### Service

- Fall 2018-  
Spring 2022 **Coordinator for ABET accreditation for Science Program at Texas A & M at Qatar**, *Successful accreditation in Spring 2021 for five more years*
- Fall 2013-  
Summer 2018 **Minor in Mathematics Program for Engineers**, *Alfaisal University*, Lead Developer and Coordinator, Developed Courses in Complex Analysis, Advanced Calculus, and Partial Differential Equations for Engineering Students  
Implemented Fall 2013
- Fall 2014-  
Present **Master of Science in Mathematics of Finance**, *Alfaisal University*, Lead Developer, Designed and Submitted Proposal, Under Consideration

### Teaching

- Fall 2022-  
Present **Calculus III, Introduction to Geometry**, *University of Alabama in Huntsville*
- Fall 2018-  
Spring 2022 **Calculus I, II, Differential Equations**, *Texas A & M University at Qatar*
- Fall 2012-  
Summer 2018 **Calculus I, II, III, Business Calculus, Precalculus, Linear Algebra, Probability and Statistics, Complex Analysis**, *Alfaisal University*
- Fall 2006-  
Spring 2010 **Calculus I, II, III, Linear Algebra**, *University of Chicago*

### References

**Xiaojun Huang**, *Distinguished Professor at Rutgers University*, [huangx@math.rutgers.edu](mailto:huangx@math.rutgers.edu)  
**Benson Farb**, *Professor at University of Chicago*, [farb@math.uchicago.edu](mailto:farb@math.uchicago.edu)  
**Nordine Mir**, *Professor at Texas A & M University at Qatar*, [nordine.mir@qatar.tamu.edu](mailto:nordine.mir@qatar.tamu.edu)  
**Franc Forstneric**, *Professor at University at Ljubljana*, [franc.forstneric@fmf.uni-lj.si](mailto:franc.forstneric@fmf.uni-lj.si)  
**Liliana Braescu**, *Former Head of Mathematics Department at Alfaisal University*, [braesculiliana@yahoo.com](mailto:braesculiliana@yahoo.com)