

UTRGV Alumni Forum on Nonlinear Systems Spring 2019

Description: This half-day forum, held by the School of Mathematical and Statistical Sciences, College of Sciences, University of Texas Rio Grande Valley, is devoted to applied mathematics and mathematical physics, and their applications in related fields. In the forum, there will be four alumni in nonlinear sciences to share their own research experience and work at both theoretical and computational level together with a view towards some real-world applications. Our goal is to keep our alumni connected and develop a deeper collaboration in the interdisciplinary research and to lead our students how to make an advanced study in their research. All faculty and students are warmly welcome to attend. Particularly, graduate students are encouraged to discuss with our alumni and share your ideas to find a possible joint work. This forum has partially been supported by the UTRGV Endowed Professorship Program.

Date: Sunday March 24, 2019

Time: 9:00 AM—12:00 PM

Place: EMAGC 3.502 (Edinburg)

Schedule

Convener	Time	Speaker	Title
Zhijun Qiao	09:00-09:40	Xianqi Li	Fast First-Order Method with Applications to Linear Inverse Problems
	09:40-10:20	Jorge Cisneros	My Ongoing Journey of Graduate School at UW
	10:20-11:00	Yufeng Cao	Medical Image Segmentation by U-Net
	11:00-11:40	Mengqi Hu	Sparse Recovery Methods for Bad Data Detection in Power Systems

UTRGV Alumni Forum on Nonlinear Systems Spring 2019 Speakers Bio

Yufeng Cao Ph. D. student, Washington State University. His research area: Image Process, PDEs, and Data Analysis. He already published 12 research papers in refereed journals and proceedings. Some work was published in high ranking journals. He was UTPA/UTRGV master student from 2011 to 2014.

Jorge Cisneros Ph. D. student, The University of Washington. His research areas: Nonlinear Water-wave Equations, Unified Transform Method, Soliton Theory, Computational Fluid Dynamics, and Numerical Methods. He was UTRGV bachelor student in majors of Physics and Mathematics 2013 – 2017.

Mengqi Hu Ph. D. student, The University of Texas Dallas. His research area: Medical Image, PDEs, and Data Analysis. He already published 5 research papers in refereed journals and proceedings. Some work was published in high ranking journals. He was UTPA/UTRGV master student from 2014 to 2016.

Dr. Xianqi Li Ph. D. 2018, University of Florida. Now postdoctoral fellow at Harvard Medical School since July 2018. His research areas: Nonlinear Optimization, Medical Imaging, Machine Learning, and Statistical Learning Theory. He already published 7 research papers in refereed journals. Some work was published in high ranking journals. He was UTPA/UTRGV master student from 2007 to 2009.

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