
Doctors of Philosophy

Bobby Baraldi *Advisor: Aleksandr Aravkin*

A Proximal Quasi-Newton Trust-Region Method for Nonsmooth Regularized Optimization

Yu-Chen Cheng *Advisor: Hong Qian*

Asymptotic Behaviors and Perturbation Analysis of Stochastic Dynamics and Applications to Complex Systems

Andreas L. Freund *Advisor: Antonio Ferrante*

Wavelet-spectral analysis and large-eddy simulation using neural networks of droplet-laden decaying isotropic turbulence

Yuan Gao *Advisor: James Burke*

Generalized Matrix-fractional Functions and Their Applications

Kenan Li *Advisor: Anne Greenbaum*

Crouzeix's Conjecture and Beyond for Special Classes of Matrices

Kelsey Maass *Advisor: Aleksandr Aravkin*

Optimization Formulations and Algorithms for Cancer Therapy

Kelsey Marcinko *Advisor: Mark Kot*

Mathematical Analysis of Host-Parasitoid Dynamics

Megan Morrison *Advisor: J. Nathan Kutz*

From worms to wars, modeling and controlling networked dynamical systems

Sean Santos *Advisors: Chris Bretherton, Peter Caldwell*

Time Step Sensitivity and Process Coupling in Climate Models

Xin Yang *Advisors: Bernard Deconinck, Tom Trugdon*

On the Riemann-Hilbert approach to the numerical solution of boundary-value problems for evolution partial differential equations

Jize Zhang *Advisor: Aleksandr Aravkin*

Nonconvex Optimization Methods with Applications to Portfolio Selection and Hybrid Systems

Yang Zhou *Advisor: Tim Leung*

Stochastic control methods for dynamic futures portfolios

GRADUATION CELEBRATION



2021

June 12th
10:00 AM - 12:00 PM
Pacific Time
Virtual



APPLIED MATHEMATICS

UNIVERSITY *of* WASHINGTON

Schedule of Events

10:00 AM	Welcome Address & Awards Bernard Deconinck Anne Greenbaum Intro to PhD recipients PhD Students & their advisors Intro to MS recipients Matt Lorig and Tim Leung Intro to BS recipients Ka-Kit Tung
11:00 AM	Live Social Event Gather.Town

Masters of Science

Applied Mathematics

Diana Naid Aguirre Taei Ahmed Ashwin Srinivas Badrinath Cody Balos Yuxuan Bao Mojan Benham Grant Boehme John Brosnan Blake Burgstahler Daniel Burnham Daniel Crews Laura Crews Mingzhong Deng Yiyun Dong Yue Dong Briar Doty Abhijit Dutta Ana Isabel Fernandez Sirgo Marlin Figgins Ben Francis Zian Fu Kristen Gasser	Ayesha Ghaffar Laurence Giordano Micah Goldade Brandon Goldney Qiangqiang Guo Saba Heravi Yulin Hong Madison Johnson William Davis Lee Christopher Liu Weisha Liu Ziqing Lu Ziyu Lu Dayou Luo Rawand Madi Frank Mei Johnathan Metz Joshua Miller James Papp Tram Pham James Pratt Chuanmudi Qin	Shervin Sahba Connor Schleicher Alexandra Schmidt Alexey Sholokhov Sergey Slovetskiy Demin Song Erin Stafford Cha Suaysom Chang Sun Ravi Sankar Vaddi Deepak Venkatanarasimhan Brendan Wallace Jared Weaver Joseph Williams Aron Wing Han Yong Wunrow Baicen Xiao Camille Zaug Haiming Zhang Qian Zhang Maksym Zhelyeznyakov Yexinhao Zhou
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Computational Finance and Risk Management

Jie Cai Wenshu Chang Zurui Chen Aishwarya Chowdhury Michael Derstine Ayushi Dhar Kecong Ding Joice Dong Zefu Gao Yanyan Guan Yuki Harunari Manish Hira Zeb Hunter Jui-Lin Keng Jonathan Koo Fubin Li Peiwen Li	Yuman Lin Echo Liu Jiayu Liu Zihan Liu Chaoyi Lou Zhenhao Luo Andrew McSweeny Matt Mulhern Julia Sharpe Wenlin Su Yile Tan Mohlomi Taoana Jie Wang Kaihang Wang Ruibo Wei Franklin Williams Jiahua Wu	Jiaqi Wu Jiatian Wu Yue Wu Weining Xu Shuyu Yan Derick Yang Qing Yu Mengxi Yuan Gustavo Zambrana Guodong Zeng Hao Zhang Steven Zhang Jingru Zhang Lu Zhang Shixin Zhang Kaiji Zhou
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Bachelors of Science

Applied Mathematics

Xuanhui Chen
 Zhiyang Cheng
 Gargi Kher
 Ming Lou
 David Warne
 Yu Hsuan Yang
 Ruixiang Zhang
 Rui Zhu

Computational Finance & Risk Management

Yilin Cao
 Yiqing He
 Yichen Li
 Junzhao Liu
 Kaixiang Wang

Awards & Recognition

SIAM UW Award

For exceptional service to the University of Washington Chapter of SIAM for the 2020-2021 academic year

Joseph Hammack Endowment Award

For exemplary work by a student in Applied Mathematics

Boeing Research Award

For outstanding research by a student in Applied Mathematics

Boeing Teaching Award

For outstanding teaching in the Department of Applied Mathematics

Boeing Service Award

For outstanding service to the Department of Applied Mathematics

Boeing Award for Research, Teaching, and Service

For outstanding performance in the Department of Applied Mathematics