



Henny Admoni

Assistant Professor
Robotics Institute

Education:

B.A. Wesleyan University
M.A. Wesleyan University
M.S. Yale University
Ph.D. Yale University

Research Interests:

Human-robot interaction, assistive robotics

Joined SCS Faculty:

Fall 2017



Daniel S. Berger

Mark Stehlik Teaching Fellow
Computer Science Department

Education:

B.Sc. University of Kaiserslautern
M.Sc. University of Kaiserslautern
Ph.D. University of Kaiserslautern

Research Interests:

Caching systems, performance modeling,
computer systems, Internet content delivery

Joined SCS Faculty:

Fall 2017



Fei Fang

Assistant Professor
Institute for Software Research

Education:

B.Eng., Tsinghua University, Beijing, China
Ph.D., University of Southern California

Research Interests:

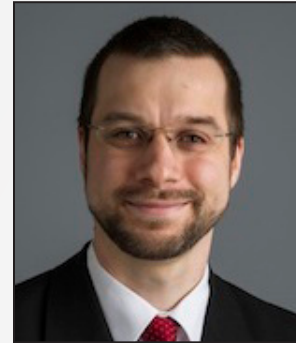
Artificial intelligence, computational game-theory, security and sustainability, large-scale

and robust optimization, spatio-temporal analysis, machine learning.

Currently at:

Harvard University (post-doctoral fellow)

Starting at CMU: Fall 2017



Matthias Grabmair

Systems Scientist
Language Technologies Institute

Education:

Dipl.-Jur.(Univ.), Law, University of Augsburg
M.S. University of Pittsburgh
Ph.D. University of Pittsburgh

Research Interests:

Artificial intelligence, data science, legal technology, natural language processing, machine learning, knowledge-based systems, information retrieval, logic programming, rule-based systems, argumentation, public international law

Joined SCS Faculty:

Fall 2017



David Held

Assistant Professor
Robotics Institute

Education:

B.S. Massachusetts Institute of Technology
M.S. Massachusetts Institute of Technology
M.S. Stanford University
Ph.D. Stanford University

Research Interests:

Computer vision, machine learning, and robotics with a focus on object manipulation, robotic perception, deep reinforcement learning for robotics, autonomous vehicles

Joined SCS Faculty:

Fall 2017



Michael Hilton

Assistant Teaching Professor
Institute for Software Research

Education:

B.S. San Diego State University
M.S. Cal Poly SLO
Ph.D. Oregon State University

Research Interests:

Software engineering, contiguous integration, software engineering education

Joined SCS Faculty:

Fall 2017



Eunsuk Kang

Assistant Professor
Institute for Software Research

Education:

B.SE. University of Waterloo
S.M. Massachusetts Institute of Technology
Ph.D. Massachusetts Institute of Technology

Research Interests:

Software reliability, verification, modeling, design methodologies, security, system safety

Joined SCS Faculty:

Fall 2017



Oliver Kroemer

Assistant Professor
Robotics Institute

Education:

Ph.D. TU Darmstadt
B.A. Cambridge University
M.Eng. Cambridge University

Research Interests:

Machine Learning, Robot Manipulation

Currently at:

University of Southern California (Post-doc)

Joining SCS Faculty:

Spring 2017



Ruben Martins

Systems Scientist
Computer Science Department

Education:

B.Sc. University of Lisbon, Portugal
M.Sc. University of Lisbon, Portugal
Ph.D. University of Lisbon, Portugal

Research Interests:

Program synthesis, program verification, security, constraint solving, optimization, MaxSAT

Joined SCS Faculty:

Fall 2017



Jim McCann

Assistant Professor
Robotics Institute

Education:

B.S. University of Michigan
Ph.D. Carnegie Mellon University

Research Interests:

Real-time systems and interfaces that build user intuition, textiles fabrication, machine knitting, 3D printing of textiles,

Joined SCS Faculty:

Fall 2017



Hosein Mohimani

Assistant Professor
Computational Biology Department

Education:

B.Sc. Sharif University of Technology, Iran
Ph.D. University of California, San Diego

Research Interests:

Antibiotic discovery, metagenomics and metabolomics, microbiome analysis, bioinformatics

Joined SCS Faculty:

Fall 2017



Jean Oh

Systems Scientist
Robotics Institute

Education:

B.S. Yonsei University
M.S. Columbia University
Ph.D. Carnegie Mellon University

Research Interests:

Autonomy, intelligent robotics, machine learning, pattern recognition, integrated systems, natural language processing

Joined SCS Faculty:

July 2017



Bryan Parno

Associate Professor
Computer Science Department

Education:

A.B. Harvard University
M.S. Carnegie Mellon University
Ph.D. Carnegie Mellon University

Research Interests:

Network and system security, applied cryptography, usable security, data privacy, operating system design, distributed systems

Joined SCS Faculty:

January 2017



Ryan Riley

Associate Teaching Professor
Computer Science Department
CMU Qatar

Education:

Ph.D. Purdue University

Research Interests:

Security, Operating systems, computer architecture, intrusion detection, authentication

Joined SCS Faculty:

Fall 2017



Kelly Rivers

Assistant Teaching Professor
Computer Science Department

Education:

B.S. Carnegie Mellon University
Ph.D. Carnegie Mellon University

Research Interests:

Data-driven tutoring, computer science education research, educational data mining

Joined SCS Faculty:

Fall 2017

**Nihar Shah**

Assistant Professor
Machine Learning Department

Education:

Ph.D. UC Berkeley

Research Interests:

Machine learning, game theory, crowd-sourcing, information theory

Joined SCS Faculty:

Fall 2017

**Skip Shelly**

Associate Teaching Professor
Human-Computer Interaction Institute

Education:

B.F.A. Carnegie Mellon University

Research Interests:

The intersection of design, technology, and business.

Previously at:

Carnegie Mellon University

Joined SCS Faculty:

Fall 2017

**Justine Sherry**

Assistant Professor
Computer Science Department

Education:

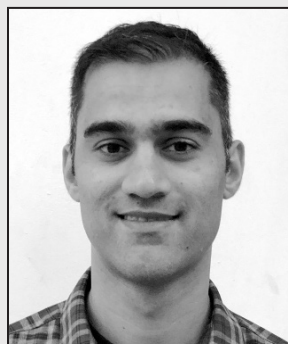
B.S. & B.A. University of Washington
M.S. U.C. Berkeley
Ph.D. U.C. Berkeley

Research Interests:

Computer networks, security, and systems

Joined SCS Faculty:

Fall 2017

**Ameet Talwalkar**

Assistant Professor
Machine Learning Department

Education:

B.S. Yale University
M.S. New York University
Ph.D. New York University

Research Interests:

Statistical machine learning, large-scale machine learning, distributed computing, computational genomics

Currently at:

Assistant Professor, UCLA

Joining SCS Faculty:

Spring 2018

**Yulia Tsvetkov**

Assistant Professor
Language Technologies Institute

Education:

B.Sc. Israel Institute of Technology
M.Sc. University of Haifa, Israel
M.Sc. Carnegie Mellon University
Ph.D. Carnegie Mellon University

Research Interests:

Computational phonology and morphology, representation learning and evaluation, linguistic information in statistical systems, cross-lingual semantics, speech modeling

Joined SCS Faculty:

Fall 2017



Rashmi Vinayak

Assistant Professor
Computer Science Department

Education:

Ph.D. U.C. Berkeley

Research Interests:

Computer systems, networking, theory

Joined SCS Faculty:

Fall 2017



David Woodruff

Associate Professor
Computer Science Department

Education:

B.S. Massachusetts Institute of Technology
B.Sc. Massachusetts Institute of Technology
M.Eng. Massachusetts Institute of Technology
Ph.D. Massachusetts Institute of Technology

Research Interests:

Communication complexity, data stream algorithms and lower bounds, graph algorithms, machine learning, numerical linear algebra, sketching, sparse recovery

Joined SCS Faculty:

Fall 2017



Lining Yao

Assistant Professor
Human-Computer Interaction Institute

Education:

B.Eng. Zhejiang University, China
M.A. Zhejiang University, China
M.S. Zhejiang University, China
Ph.D. Zhejiang University, China

Research Interests:

Hybrid responsive material, artificial materials, intersection of biology and material sciences, novel printing platforms, shape-changing interfaces using pneumatics

Joined SCS Faculty:

Fall 2017

**Carnegie
Mellon
University**

**School of
Computer
Science**

Computational Biology Department
Computer Science Department
Human-Computer Interaction Institute
Institute for Software Research
Language Technologies Institute
Machine Learning Department
Robotics Institute

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