

Computer Science and Applied and Computational Mathematics

Session **K**

Room: 100 Powell-Booth

1:00 - 1:20 PM	Paul Huang National Taiwan University <i>BaBar SURF Fellow</i>	Exploration of the Learning From Hints Paradigm	Yaser S. Abu-Mostafa <i>Professor of Electrical Engineering and Computer Science</i>
1:20 - 1:40 PM	Zachary W. Huang	A Type Checker for Mathematical Proofs Written in LaTeX	Adam Blank <i>Teaching Professor of Computing and Mathematical Sciences</i>
1:40 - 2:00 PM	Xiang Qin Peking University	Blowup Analysis for the Weak Convection Hou-Li Model	Thomas Y. Hou <i>Charles Lee Powell Professor of Applied and Computational Mathematics</i> Yixuan Wang <i>Graduate Student in Applied and Computational Mathematics</i>
2:00 - 2:20 PM	Xiuyuan Wang Peking University	Investigating Potential Finite-Time Blowup in Models for 3D Euler Singularity Using Fixed-Point Method	Thomas Y. Hou <i>Charles Lee Powell Professor of Applied and Computational Mathematics</i> Yixuan Wang <i>Graduate Student in Applied and Computational Mathematics</i>
2:20 - 2:40 PM	Samuel G. Johnson-Lacoss Carleton College	Creating an Intuitive XR Space for Efficient 3D Data Inspection and Direct Manipulation Supported by 2D and 3D Interfaces	Santiago Lombeyda <i>Senior Computational Scientist in the Center for Data-Driven Discovery</i> S. George Djorgovski <i>Professor of Astronomy and Data Science</i>
2:40 - 2:50 PM	BREAK		
2:50 - 3:10 PM	Ethan J. McFarlin Harvard University	Curating a Retrospective Art Exhibit for the Caltech/JPL Data to Discovery Program	Hillary Mushkin <i>Research Professor of Art and Design</i> Santiago Lombeyda <i>Senior Computational Scientist in the Center for Data-Driven Discovery</i>

3:10 - 3:30 PM

Stephen L. Huan
Georgia Institute of Technology

Scalable Gaussian Processes for
Non-ergodic Earthquake Models

Houman Owhadi
*Professor of Applied and
Computational Mathematics and
Control and Dynamical Systems*
Grigorios Lavrentiadis
*Postdoctoral Scholar Research
Associate in Mechanical and Civil
Engineering*
Pau Batlle Franch
*Graduate Student in Computing and
Mathematical Sciences*
Yifan Chen
*Postdoctoral Scholar Research
Associate in Computing and
Mathematical Sciences*

3:30 - 3:50 PM

June L. Woodward

Verifying Web Browser Security With
Cachet, a JIT Compiler DSL for
Expressive Static Assertions

Deian Stefan
*Associate Professor of Computer
Science and Engineering, University
of California, San Diego*
Richard M. Murray
*Thomas E. and Doris Everhart
Professor of Control and Dynamical
Systems and Bioengineering*