Virtual Symposium

Human-Centric Computing in Ophthalmology

Oct. 31, 2022 - 9:00AM-5:00PM • Nov. 01, 2022 - 9:00AM-12:30PM

SYMPOSIUM OVERVIEW

This two-day symposium features diverse experts in human-centric computing and ophthalmology in a panel discussion format. We are honored to host Michael Chiang, MD, Director of the National Eye Institute, and present him with this year’s USC Dr. Allen and Charlotte Ginsburg Institute for Biomedical Therapeutics Vision Research Award.

Oct. 31, 2022

9:00 Welcome
9:10 Basic Science Perspectives on Human-Centered Computing (HCC): Notable Achievements, Current Research, Cyrus Shahabi, PhD
9:25: Session #1: Basic Science: HCC
Panel 1: HCC Theory and Practice
Panel 2: Strategies for Drug Development
10:40: Break
11:30: Session #2: Basic Science: HCC Opportunities and Challenges:
Panel: Role of Computational Biology in Basic Science Research
12:10: USC Ginsburg Institute Poster Award
12:25: Lunch Break
1:30: Session #3: HCC: Translational Research I
Panel 1: Machine Learning & AI for Ophthalmology
Panel 2: Translational Research - Saving Sight
3:00 Break
3:15-4:45: Session #4: HCC Translational Research II
Panel 1: Integrating HCC
Panel 2: Funding Translational Research

Nov. 01, 2022

9:00 Welcome
9:05 Session #5: HCC: Programs, Current and Emerging Trends
Panel 1: Emerging Digital Innovation in Healthcare
9:55: Break
10:10: Panel 2: Translating Technology from Bench to Bedside: Tips and Challenges
11:00: Break
11:15: Panel 3: Artificial Intelligence for Drug Discovery and Clinical Trials
12:15: Lunch Break and end of Zoom Symposium