





Integrating BHI and AI to Combat Pandemics



Program Day 3 • 6 October 2021

Time (Asia)	Session Chair	Category	Speaker(s)	Topic/Title
20:30 –21:00	Kathy Grise & Julie Bernicker	Opening Ceremony	N/A	Poster Viewing & Networking
21:00 – 21:40	May Wang	Keynote	Dr. Po-Shen Loh , Carnegie Mellon University	A New Approach for Fighting Pandemics, Combining Game Theory, Mobile Devices, and Network Theory
21:40 – 21:45		Transition		
21:45 – 22:25	Konstantina Nikita	Keynote	Dr. Dimitris Bertsimas , Massachusetts Institute of Technology	Data-Driven COVID-19 Vaccine Development for Janssen
22:25 – 22:30		Transition		
22:30 – 23:10	Kathy Grise & Julie Bernicker	Plenary Activities	• Dr. Roberto Saracco , <i>IEEE</i> Future Directions Committee	 Use of Personal Digital Twin in Epidemic Monitoring and Control
			• Dr. Carolyn McGregor, Ontario Tech University	 Pivoting AI for Health and Wellness through Transdisciplinary Innovation to Combat COVID-19
23:10 – 23:15		Transition		
23:15 – 23:55	May Wang & Kathy Grise	Keynote	Dr. Elizabeth Mynatt , Georgia Institute of Technology	Combatting Health Disparities By Supporting Community Led Covid Response for Underserved Populations

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23:55 – 24:00		Transition		
12:00 - 1:15	Maria Fernanda Cabrera, Yasemin Akay, & Kathy Grise	Lunch Featured Panels	 Dr. Barbara Di Camillo, University of Padova Dr. Arianna Dagliati, University of Pavia Dr. Elizabeth Mynatt, Georgia Institute of Technology Dr. Azadeh Yadollahi, Institute of Biomaterials and Biomedical Engineering at the University of Toronto 	 Facing COVID Health Disparities in Health Care of ALS and MS Patients: The BRAINTEASER Experience International EHR data to Conduct Collaborative COVID-19 Research: is Health Informatics Inclusive by Design? Combatting Health Disparities By Supporting Community Led Covid Response for Underserved Populations The Lingering Effects of COVID on Women in Academia and Research
1:15 – 1:30		Transition		

Time (Asia)	Session Chair	Category	Speaker(s)	Topic/Title
1:30 - 3:00	Yufei Huang & Byung- Jun Yoon	Plenary Activities	 Dr. Ahmed A. Metwally, Illumina AI Laboratory Dr. Elebeoba E. May, University of Houston Dr. Mario Flores, University of Texas at San Antonio Dr. Despina Moschou, University of Bath Dr. Kristen Beck, IBM 	 Pre-symptomatic detection of COVID-19 from smartwatch data Incorporating the Biomedical State of the Host in Multiscale Models of Infection and Disease Deep Learning in Single Cell Analysis – A Survey of the Application of Deep Learning for scRNA-seq Analysis in the Present Pandemic Lab-on-PCB Technology and the COVID-19 Outbreak Case Study Semi-supervised Identification of SARS-CoV-2 Molecular Targets
3:00 – 3:15		BREAK		

Time (Asia)	Session Chair	Category	Speaker(s)	Topic/Title
3:15 – 4:00	Andrew Laine and Subhamoy Mandal	Plenary Activities	 DATA HACKATHON Best Poster Award (By Invitation Only): Costas Pattichis, Subhamoy Mandal, Mario Flores, Andrew Laine, and Yufei Huang Best Data Hackathon Award (By Invitation Only): Nantia Nikita, Andrew Laine, Byung-Jun Yoon, Mario Flores, Yufei Huang, Bobak Mortazavi, Subhamoy Mandal, and May D Wang 	
4:00 – 4:15		BREAK		
4:15 – 5:45	May Wang and Kathy Grise	Plenary Activities	Networking	