

Integrating BHI and AI to Combat Pandemics

HAPPY IEEE DAY!



Program Day 2 • 5 October 2021

Time (US ET)	Session Chair	Category	Speaker(s)	Topic/Title
8:30 – 9 AM	Kathy Grise & May Wang	Opening Ceremony	N/A	Poster Viewing & Networking
9 – 9:40 AM	Dimitris Fotiadis & May Wang	Keynote	Dr. Guang-Zhong Yang, <i>Shanghai JiaoTong University</i>	Robotics and COVID-19
9:40 – 9:45 AM		Transition		
9:45 – 10:25 AM	Stephen Wong	Keynote	Dr. Jean-Pierre Hubaux, <i>EPFL</i>	Toward a Secure International Federated Learning Infrastructure to Investigate COVID-19
10:25 – 10:30 AM		Transition		
10:30 – 11:10 AM	Yufei Huang	Plenary Activities	<ul style="list-style-type: none"> Dr. Axel Krieger, <i>Johns Hopkins University</i> Dr, David A. Clifton, <i>University of Oxford</i> 	<ul style="list-style-type: none"> From Testing Booths to ICU Robots: Coronovation at the Johns Hopkins University Advances in Non-imaging ML for Pandemics
11:10 – 11:15 AM		Transition		
11:15 – 11:55 AM	Byung-Jun Yoon	Keynote	Dr. Georgia Tourassi, <i>Oakridge NL</i>	High Performance Computing and AI in the Fight Against COVID-19: Lessons Learned

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11:55 – 12:00 PM		Transition		
12:00 – 1:15 PM	Konstantina Nikita & May Wang	Keynote	<ul style="list-style-type: none"> • Dr. Kenneth Gersing, US-NIH • Dr. Marco Marsella, European Commission • Dr. Wendy J. Nilsen, US-NSF 	<ul style="list-style-type: none"> • TBD • TBD • TBD
1:15 – 1:30 PM		Transition		
1:30 – 2:50 PM	<ul style="list-style-type: none"> • Subhamoy Mandal • Bobak Mortazavi • Andrew Laine • Byung-Jun Yoon • Mario Flores, • Yufei Huang • May D Wang 	Plenary Activities		<ul style="list-style-type: none"> • Data Hackathon (7-8 Teams)
2:50 – 3:00 PM		Transition		
3:00 – 3:40 PM	Stephen Wong	Keynote	Dr. Anthony Chang, AIMed	Artificial Intelligence and the COVID-19 Pandemic: Successes and Failures with Lessons for Our Future
3:40 – 3:45 PM		Transition		

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3:45 – 4:30 PM	Kathy Grise	Plenary Activities	<ul style="list-style-type: none"> • Dr. Maurice A. Ramirez, <i>RAIsonance</i> • Ms. Christine Miyachi, <i>IEEE Future Directions</i> • Dr. Fei Wang, <i>Cornell University</i> 	<ul style="list-style-type: none"> • Artificial Intelligence for Applying Lessons Learned in Disaster and Pandemics • Learn How Nuance AI Helps Solve Sub-optimal Patient Care, Clinician Burnout and Missed Reimbursement and Financial Pressures by Automating Electronic Health Record Creation • Exploring the Clinical Complexity of COVID-19 with Machine Learning
4:30 – 4:45 PM		BREAK		
4:45 – 5:45 PM	May Wang & Yufei Huang	Plenary Activities	DATA HACKATHON/Networking	