

Integrating BHI and AI to Combat Pandemics

HAPPY IEEE DAY!



Program Day 2 • 5 October 2021

Time (EU)	Session Chair	Category	Speaker(s)	Topic/Title
14:30 – 15:00	Kathy Grise & May Wang	Opening Ceremony	N/A	Poster Viewing & Networking
15:00 – 15:40	Dimitris Fotiadis & May Wang	Keynote	Dr. Guang-Zhong Yang, <i>Shanghai JiaoTong University</i>	Robotics and COVID-19
15:40 – 15:45		Transition		
16:45 – 16:25	Stephen Wong	Keynote	Dr. Jean-Pierre Hubaux, <i>EPFL</i>	Toward a Secure International Federated Learning Infrastructure to Investigate COVID-19
16:25 – 16:30		Transition		
16:30 – 17:10	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
17:10 – 17:15		Transition		
17:15 – 17:55	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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17:55 – 18:00		Transition		
18:00 – 19:15	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
19:15 – 19:30		Transition		
19:30 – 20:50	Konstantina Nikita Subhamoy Mandal, Bobak Mortazavi, Andrew Laine, Byung-Jun Yoon, Mario Flores, Yufei Huang, May Wang	Plenary Activities		Data Hackathon (7-8 Teams)
20:50 – 21:00		Transition		
21:00 – 21:40	Stephen Wong	Keynote	Dr. Anthony Chang, AIMed	Artificial Intelligence and the COVID-19 Pandemic: Successes and Failures with Lessons for Our Future
21:40 – 21:45		Transition		

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21:45 – 22:30	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
22:30 – 22:45		BREAK		
22:45 – 23:45	Subhamoy Mandal, Bobak Mortazavi, Andrew Laine, Byung-Jun Yoon, Mario Flores, Yufei Huang & May Wang	Plenary Activities	DATA HACKATHON (Team 4)	