

IEEE Healthcare Summit



Integrating BHI and AI to Combat Pandemics

HAPPY IEEE DAY!



Program Day 2 • 5 October 2021

Time (Asia)	Session Chair	Category	Speaker(s)	Topic/Title
20:30 – 21:00	Kathy Grise & May Wang	Opening Ceremony	N/A	Poster Viewing & Networking
21:00 – 21:40	Dimitris Fotiadis & May Wang	Keynote	Dr. Guang-Zhong Yang, <i>Shanghai JiaoTong University</i>	Robotics and COVID-19
21:40 – 21:45		Transition		
21:45 – 22:25	Stephen Wong	Keynote	Dr. Jean-Pierre Hubaux, <i>EPFL</i>	Toward a Secure International Federated Learning Infrastructure to Investigate COVID-19
22:25 – 22:30		Transition		
22:30 – 23:10	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
23:10 – 23:15		Transition		
23:15 – 23:55	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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23:55 – 24:00		Transition		
24:00 – 1:15	Konstantina Nikita & May Wang	Keynote	Dr. Cecilia Mascolo, <i>University of Cambridge</i>	Respiratory Audio Signals and COVID-19: Challenges and Opportunities
1:15 – 1:30		Transition		
1:30 – 2:50	Konstantina Nikita Subhamoy Mandal, Bobak Mortazavi, Andrew Laine, Byung-Jun Yoon, Mario Flores, Yufei Huang, May Wang	Plenary Activities		Data Hackathon (7-8 Teams)
2:50 – 3:00		Transition		
3:00 – 3:40	Stephen Wong	Keynote	Dr. Anthony Chang, <i>AIMed</i>	Artificial Intelligence and the COVID-19 Pandemic: Successes and Failures with Lessons for Our Future
3:40 – 3:45		Transition		

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3:45 – 4:30	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
4:30 – 4:45		BREAK		
4:45 – 5:45	Subhamoy Mandal, Bobak Mortazavi, Andrew Laine, Byung-Jun Yoon, Mario Flores, Yufei Huang & May Wang	Plenary Activities	DATA HACKATHON (Team 4)	