

IEEE Healthcare Summit



Integrating BHI and AI to Combat Pandemics



Program Day 4 • 7 October 2021

Time (EU)	Session Chair	Category	Speaker(s)	Topic/Title
14:30 – 15:00	Kathy Grise & Andrew Laine	Opening Ceremony	N/A	Poster Viewing & Networking
15 – 15:40	Konstantina Nikita and Spyretta Golemati	Keynote	Dr. Nikos Paragios , <i>University of Paris-Saclay</i>	AI-driven Quantification, Staging and Outcome Prediction of COVID-19 Pneumonia
15:40 – 15:45		Transition		
15:45 – 16:25	Andrew Laine	Keynote	Dr. Andrea Califano , <i>Columbia University</i>	Network-based Identification and Pharmacological Targeting of Host Cell Master Regulators Induced by SARS-CoV-2 Infection
16:25 – 16:30		Transition		

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16:30 – 17:55	Bobak Mortazavi & Kathy Grise	Lunch Featured Panels	<ul style="list-style-type: none"> • Dr. Andrew Laine, <i>Columbia University</i> • Dr. John Torous, <i>Beth Israel Deaconess Medical Center</i> • Dr. Giancarlo Fortino, <i>University of Calabria</i> • Dr. Holly Brugge Jimison, <i>Northeastern University</i> 	<ul style="list-style-type: none"> • Imaging-driven Omics Database/Repository On Covid Survivors: Aggregating Data For Retrospective Understanding Of Covid Disease And Planning For Future Care. • How To Select Apps To Deal With The Mental Health Challenges Post-Pandemic • Towards AI-based Community-oriented Wearable Computing Systems: A Paradigm Shift To Monitor And Control (Large-scale) Cooperative Groups • Adapting Human Subjects Research to Pandemic Constraints
17:55 – 18:00		Transition		

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18:00 – 19:15	Stephen Wong	Lunch Featured Panels	<ul style="list-style-type: none"> • Dr. Blake Anderson, <i>Emory University</i> • Dr. Siva Bhavani, <i>Emory University</i> • Dr. Scott Campbell, <i>Zero Hour Medical</i> 	<ul style="list-style-type: none"> • Automation and Machine Learning to Improve COVID-19 Management and Outcomes • Using Machine Learning and Precision Medicine to Manage Covid ICU Patients • AI vs Covid-19 and Why This Matters
19:15 – 19:30		BREAK		
19:30 – 20:30	May Wang & Andrew Laine	Plenary Activities	EMBS Biomedical and Health Informatics Technical Community General Assembly	
20:30 – 20:50	Kathy Grise, May Wang, & Konstantina Nikita	Plenary Activities	Award and Closing Ceremony	