

# IEEE Healthcare Summit



# Integrating BHI and AI to Combat Pandemics



**Program Day 4 • 7 October 2021**

Time (US ET)	Session Chair	Category	Speaker(s)	Topic/Title
8:30 – 9 AM	<b>Kathy Grise &amp; Andrew Laine</b>	Opening Ceremony	N/A	Poster Viewing & Networking
9 – 9:40 AM	<b>Konstantina Nikita and Spyretta Golemati</b>	Keynote	<b>Dr. Nikos Paragios</b> , <i>University of Paris-Saclay</i>	AI-driven Quantification, Staging and Outcome Prediction of COVID-19 Pneumonia
9:40 – 9:45 AM		Transition		
9:45 – 10:25 AM	<b>Andrew Laine</b>	Keynote	<b>Dr. Andrea Califano</b> , <i>Columbia University</i>	Network-based Identification and Pharmacological Targeting of Host Cell Master Regulators Induced by SARS-CoV-2 Infection
10:25 – 10:30 AM		Transition		

Time (US ET)	Session Chair	Category	Speaker(s)	Topic/Title
10:30 – 11:55 AM	<b>Bobak Mortazavi &amp; Kathy Grise</b>	Lunch Featured Panels	<ul style="list-style-type: none"> <li>• <b>Dr. Andrew Laine</b>, <i>Columbia University</i></li> <li>• <b>Dr. John Torous</b>, <i>Beth Israel Deaconess Medical Center</i></li> <li>• <b>Dr. Giancarlo Fortino</b>, <i>University of Calabria</i></li> <li>• <b>Dr. Holly Brugge Jimison</b>, <i>Northeastern University</i></li> </ul>	<ul style="list-style-type: none"> <li>• Imaging-driven Omics Database/Repository On Covid Survivors: Aggregating Data For Retrospective Understanding Of Covid Disease And Planning For Future Care.</li> <li>• How To Select Apps To Deal With The Mental Health Challenges Post-Pandemic</li> <li>• Towards AI-based Community-oriented Wearable Computing Systems: A Paradigm Shift To Monitor And Control (Large-scale) Cooperative Groups</li> <li>• Adapting Human Subjects Research to Pandemic Constraints</li> </ul>
11:55 – 12:00 PM		Transition		

Time (US ET)	Session Chair	Category	Speaker(s)	Topic/Title
12:00 – 1:15 PM	<b>Stephen Wong</b>	Lunch Featured Panels	<ul style="list-style-type: none"> <li>• <b>Dr. Blake Anderson</b>, <i>Emory University</i></li> <li>• <b>Dr. Siva Bhavani</b>, <i>Emory University</i></li> <li>• <b>Dr. Scott Campbell</b>, <i>Zero Hour Medical</i></li> </ul>	<ul style="list-style-type: none"> <li>• Automation and Machine Learning to Improve COVID-19 Management and Outcomes</li> <li>• Using Machine Learning and Precision Medicine to Manage Covid ICU Patients</li> <li>• AI vs Covid-19 and Why This Matters</li> </ul>
1:15 – 1:30 PM		<b>BREAK</b>		
1:30 – 2:30 PM	<b>May Wang &amp; Andrew Laine</b>	Plenary Activities	EMBS Biomedical and Health Informatics Technical Community General Assembly	
2:30 – 2:50 PM	<b>Kathy Grise, May Wang, &amp; Konstantina Nikita</b>	Plenary Activities	<b>Award and Closing Ceremony</b>	