



Organizing Faculty: [Rabia Yazicigil](#), Assistant Professor ENG (ECE, BME), Boston University

Date: 09/20/2023, Wednesday Time: 9:30 am - 12:30 pm EST

Location: 665 Commonwealth Ave., Boston, CDS 1101 (11th floor)

<b>9:30 – 9:45 am</b>	Breakfast and Introductions
<b>9:45 – 9:50 am</b>	Welcome Remarks, Center for Information Systems & Engineering (CISE) Overview  <b>Speaker:</b> <a href="#">Ayse Coskun</a> , CISE Director, Professor: Department of Electrical and Computer Engineering, Division of Systems Engineering, and Head of PEAC Lab
<b>9:50 - 9:55 am</b>	Biological Design Center (BDC) Overview  <b>Speaker:</b> <a href="#">Ahmad Khalil</a> , BDC Associate Director, and Associate Professor: Department of Biomedical Engineering
<b>9:55 - 10:10 am</b>	IMEC Research Interests  <b>Speaker:</b> IMEC Team
<b>Lightning Talks</b>	
<b>10:10 - 10:15 am</b>	AI Models for (Good) Health  <b>Speaker:</b> <a href="#">Yannis Paschalidis</a> , Rafik B. Hariri Institute for Computing and Computational Science & Engineering Director, Distinguished Professor of Engineering, Professor: Department of Electrical and Computer Engineering, Division of Systems Engineering, and Department of Biomedical Engineering

<b>10:15 - 10:20 am</b>	<p>Design, Automation, Manufacturing, Processes (DAMP) Lab Overview</p> <p><b>Speaker:</b> <a href="#">Douglas Densmore</a>, Tegan Family Distinguished Faculty Fellow DAMP Lab Director, Professor: Department of Electrical and Computer Engineering, Department of Biomedical Engineering, Bioinformatics, Division of Materials Science &amp; Engineering</p>
<b>10:20 - 10:25 am</b>	<p>Cyber-Secure Biological Systems</p> <p><b>Speaker:</b> <a href="#">Rabia Yazicigil</a>, Assistant Professor: Department of Electrical and Computer Engineering, Department of Biomedical Engineering</p>
<b>10:25 - 10:30 am</b>	<p>Computational Bio-Imaging: Augmenting Optics with Algorithms for Biomedical Imaging</p> <p><b>Speaker:</b> <a href="#">Lei Tian</a>, Assistant Professor: Department of Electrical and Computer Engineering, and Affiliate Professor: Department of Biomedical Engineering</p>
<b>10:30 - 10:35 am</b>	<p>Novel Biosensors for Continuous Monitoring with Wearables</p> <p><b>Speaker:</b> <a href="#">James Galagan</a>, Associate Director: Precision Diagnostics Center, Professor: Department of Biomedical Engineering, Department of Microbiology Bioinformatics Program</p>
<b>10:35 - 10:45 am</b>	<b>Q&amp;A</b>
<b>10:45 - 10:50 am</b>	<p>Microbial Devices: Integrating Microbes, Materials and Electronics for Human Health</p> <p><b>Speaker:</b> <a href="#">Miguel Jimenez</a>, Assistant Professor: Department of Biomedical Engineering</p>
<b>10:50 - 10:55 am</b>	<p>Soft Material Robotics and Next-Generation Surgical Robots</p> <p><b>Speaker:</b> <a href="#">Sheila Russo</a>, Assistant Professor: Department of Mechanical Engineering, Division of Materials Science and Engineering</p>

<b>10:55 - 11:00 am</b>	<p>Programmable Molecular Tools for Rapid and Specific Nucleic Acid Detection</p> <p><b>Speaker:</b> <a href="#">Alexander Green</a>, Associate Professor: Department of Biomedical Engineering</p>
<b>11:00 - 11:05 am</b>	<p>Leveraging Fully Homomorphic Encryption for Data Privacy in Healthcare Applications</p> <p><b>Speaker:</b> <a href="#">Ajay Joshi</a>, Professor: Department of Electrical and Computer Engineering</p>
<b>11:05 - 11:10 am</b>	<p>Engineering Microenvironments for Tissue Repair and Regeneration</p> <p><b>Speaker:</b> <a href="#">Jeroen Eyckmans</a>, Research Assistant Professor: Department of Biomedical Engineering</p>
<b>11:10 - 11:15 am</b>	<p>Soft Robotics for Percutaneous Beating Heart Interventions</p> <p><b>Speaker:</b> <a href="#">Tommaso Ranzani</a>, Assistant Professor: Department of Mechanical Engineering, Division of Materials Science and Engineering, and Department of Biomedical Engineering</p>
<b>11:15 - 11:20 am</b>	<p>Label-Free Imaging of Bacterial Biofilms</p> <p><b>Speaker:</b> <a href="#">Joe Larkin</a>, Assistant Professor: Department of Biology, Department of Physics</p>
<b>11:20 - 11:30 am</b>	<b>Q&amp;A</b>
<b>11:30 - 12:30 pm</b>	<p><b>Networking Lunch and Discussions</b></p> <ul style="list-style-type: none"> <li>• Takeaways</li> <li>• Next steps in collaborations</li> </ul>