8:30 - 9:00 am  Networking  
Continental-style Breakfast available in The Commons

9:00 - 9:05 am  Welcome Remarks  
Memorial Hall  
Jakub Tolar, MD, Ph.D. (Dean, Medical School) and Mostafa Kaveh, Ph.D. (Dean, College of Science & Engineering)

9:05 - 9:30 am  State of the Institute for Engineering in Medicine  
Memorial Hall  
John Bischof, Ph.D.  
Director, Institute for Engineering in Medicine

9:30 - 10:10 am  Distinguished Keynote Talk  
Evolution of Deep Brain Stimulation: Role of Technology  
Memorial Hall  
Jerrold Vitek, MD, Ph.D.  
Professor and Head, Department of Neurology, University of Minnesota

10:10 - 10:50 am  Distinguished Keynote Talk  
Innovation + Culture Change = New Opportunities  
Memorial Hall  
Carla Pavone, Ph.D.  
Associate Director, Gary S. Holmes Center for Entrepreneurship, Carlson School of Management, University of Minnesota

10:50 - 11:05 am  Coffee Break

11:05 - 11:45 am  Distinguished Keynote Talk  
Fostering Collaborations between Engineering and Medicine  
Memorial Hall  
Timothy Schacker, MD  
Vice Dean for Research, Medical School  
Director, Program in HIV Medicine  
University of Minnesota

11:45 - 12:00 pm  IEM AWARDS  
2020-2021 IEM Engineering in Medicine Doctoral Fellowship Recipients  
• Mathew Rynes  
• Gaura Saini  

2021 Industrial Fellows Inductees:  
• Farzad Azimpour, M.D., V.P. of Strategic Innovation, Advanced Technology, Edwards Lifesciences  
• Roxanne Gil, Engagement and Education Scout, Medtronic

12:00 - 12:15 pm  Lunch Break  
The Commons  
Return with your lunch to one of the IEM Pillar Breakout Session rooms
12:00 - 1:30 pm

IEM PILLAR BREAKOUT SESSIONS:

REMOTE ATTENDEES WILL JOIN THE DISCUSSIONS VIA ZOOM LINKS AVAILABLE AT IEM.UMN.EDU.

Ski-U-Mah

Valerie Odero-Marah, Ph.D., MSc, Professor, Executive Director of the Center for Urban Health Disparities Research and Innovation (Morgan State University)

David Odde, Ph.D, Associate Director of IEM and lead of Strategic Research Initiatives (University of Minnesota)

Thomas Swain

PROFESSIONAL EDUCATION & OUTREACH

Paul Iaizzo, Ph.D., Medtronic Endowed Associate Director, Professional Education and Outreach, Institute for Engineering in Medicine

Heritage Gallery

INSPIRE

Rhonda Franklin, Ph.D., IEM Co-Director, Inspire Program, Abbott Professor for Innovative Education, Professor of Electrical and Computer Engineering, (UMN)

Chris Pennell, Ph.D., IEM Co-Director, Inspire Program, Abbott Professor for Innovative Education, Professor of Laboratory Medicine and Pathology, (UMN)

Albert E. Sweets Sr., Program Manager/Sr. Advisory Engineer Cybersecurity Assurance & Policy Center, (Morgan State University)

Johnson

INNOVATION

Art Erdman, Ph.D., IEM Co-Director, Innovation Pillar, Richard C. Jordan Professor, Morse Alumni, Distinguished Teaching Professor of Mechanical Engineering

Carla Pavone, Ph.D., IEM Co-Director, Innovation Pillar, Associate Director, Gary S. Holmes Center for Entrepreneurship

Minnesota

(STUDENT CAREER DEVELOPMENT

Moderators: Suhasa Kodandaramaiah, Ph.D., Benjamin Mayhugh Assistant Professor, Mechanical Engineering

Alexander Opitz, Ph.D., Assistant Professor, Biomedical Engineering

1:30 - 3:00 pm

STUDENT & POSTDOCTORAL POSTER SESSION & COMPETITION*

IMPORTANT NOTE: Posters must be up on the designated poster panel by 1:15pm, and at least one author must be in attendance from 1:30–3:00pm. For posters in the Poster Award Competition, the first non-faculty author must be present 1:30–3:00pm.

* Awards will be announced at a later date.

3:00 pm

ADJOURN