Accelerating Innovation from Ideas to Standards
Translational Engineering for Healthcare Innovation and Commercialization

*All Times are CDT UTC-05:00 on October 30, 2021 (Mexico time)

7:30 - 7:35 AM Welcome Remarks
Carole C. Carey
Chair, IEEE EMBS Technical Committee on Standards

7:35 - 9:35AM Innovator for Standards Invited Talks
Moderators:
Vahan Simonyan, George Washington University (US)
Hasan Al-Nashash, American University of Sharjah (UAE)

7:35   **Ricardo Chavarriaga**
Head, CLAIRE-Confederation of Laboratories for Artificial Intelligence Research (Europe)
"Standards as a tool for advancing neurotechnologies: A researcher's journey"

7:55   **Yuan-Ting Zhang**
Director/Chair, HK Center for Cerebro-cardiovascular Health Engineering and Chair Professor at City U of HK
"IEEE 1708 Standard: Some Perspectives on New Metrics of Tonoarteriography (TAG)"

8:15   **Hao Wang**
Associate Professor, National Institutes for Food and Drug Control, China National Drug Administration
"IEEE P2801 &2802, Progress on the Standardization of Artificial Intelligence Medical Device (AIMD)"

8:35   **Vahan Simonyan**
Chief Scientist DNAHIVE, Professor of Bioinformatics and Biostatistics, George Washington University

"IEEE 2791, Biocompute standard - a bridge between data and knowledge: why, what and how?"

8:55 **Moira Schieke**
Founder & CEO of Cubismi, Inc.
"IEEE P2673, Intelligence Augmentation for Medical Imaging"

9:15 **Joel Libove**
President of Furaxa Inc. and Chairman of Ultraview Corp.
"IEEE 2725.1, Standard for Microwave Structural Vascular or Functional Medical Imaging Device Safety"

9:35 - 9:55 AM Interactive Panel Discussion

9:55 - 10:05   Short "Coffee" Break

10:05 - 11:20   PAR-a-thon, a "learn-by-doing" Learning Lab

10:05 **Overview of IEEE Standards Development Process**
Carole C. Carey, Chair
IEEE Engineering in Medicine and Biology Society
Tom Thompson, IEEE Standards Association

10:15 *Par-a-thon* **Briefing** (Hands-on learning exercise)
John Griffith, Principal AI Engineer, MITRE Corporation
Esteban Pino, University of Concepcion, Chile

10:20 **Break-out Teams (possible topical areas)**
#1 standard for evaluating machine learning in medicine
#2 standard for evaluating wearable biosensors

11:00   Report out, Topic #1
11:10   Report out, Topic #2

11:20 - 11:30   Wrap-up and Closing Remarks