Biofeedback and Sensors

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<td>[WeO1C.1]</td>
<td>Aug. 24 (Wed.), 2022 / 10:00-11:30</td>
<td>Room 513</td>
<td>Charmayne M.L. Hughes (San Francisco State University)</td>
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- **[WeO1C.1]** 10:00-10:15
  Effects of Localized Leg Muscle Vibration Timed to Gait Cycle Percentage during Overground Walking
  Antonio Prado and Sunil K. Agrawal

- **[WeO1C.2]** 10:15-10:30
  ErgoTac-Belt: Anticipatory Vibrotactile Feedback to Lead Centre of Pressure during Walking
  Marta Lorenzini, Juan M. Gandarias, Luca Fortini, Wansoo Kim, and Arash Ajoudani

- **[WeO1C.3]** 10:30-10:45
  Gait Analysis with an Integrated Mobile Robot and Wearable Sensor System Reveals Associations Between Cognitive Ability and Dynamic Balance in Older Adults
  Qingya Zhao, Zhuo Chen, Corey D. Landis, Ashley Lytle, Ashwini K. Rao, Yi Guo, and Damiano Zanotto

- **[WeO1C.4]** 10:45-11:00
  An AI-Based Model for Texture Classification from Vibrational Feedback: Towards Development of Self-Adapting Sensory Robotic Prosthesis
  Morenike Magbagbeola, Mark Miodownik, Stephen Hailes, and Rui C. V. Loureiro

- **[WeO1C.5]** 11:00-11:15
  Design and Evaluation of an IMU Sensor-Based System for the Rehabilitation of Upper Limb Motor Dysfunction
  Bao Tran, Xiaorong Zhang, Amir Modan, and Charmayne M.L. Hughes

- **[WeO1C.6]** 11:15-11:30
  CyberCoach: A Wearable Biofeedback System for Runners
  Matthew R. Gibson, Richard J. Boergers, and Damiano Zanotto