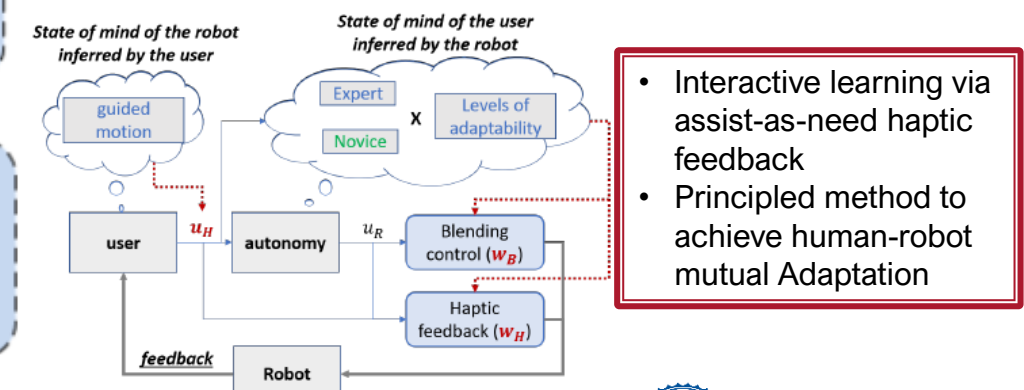
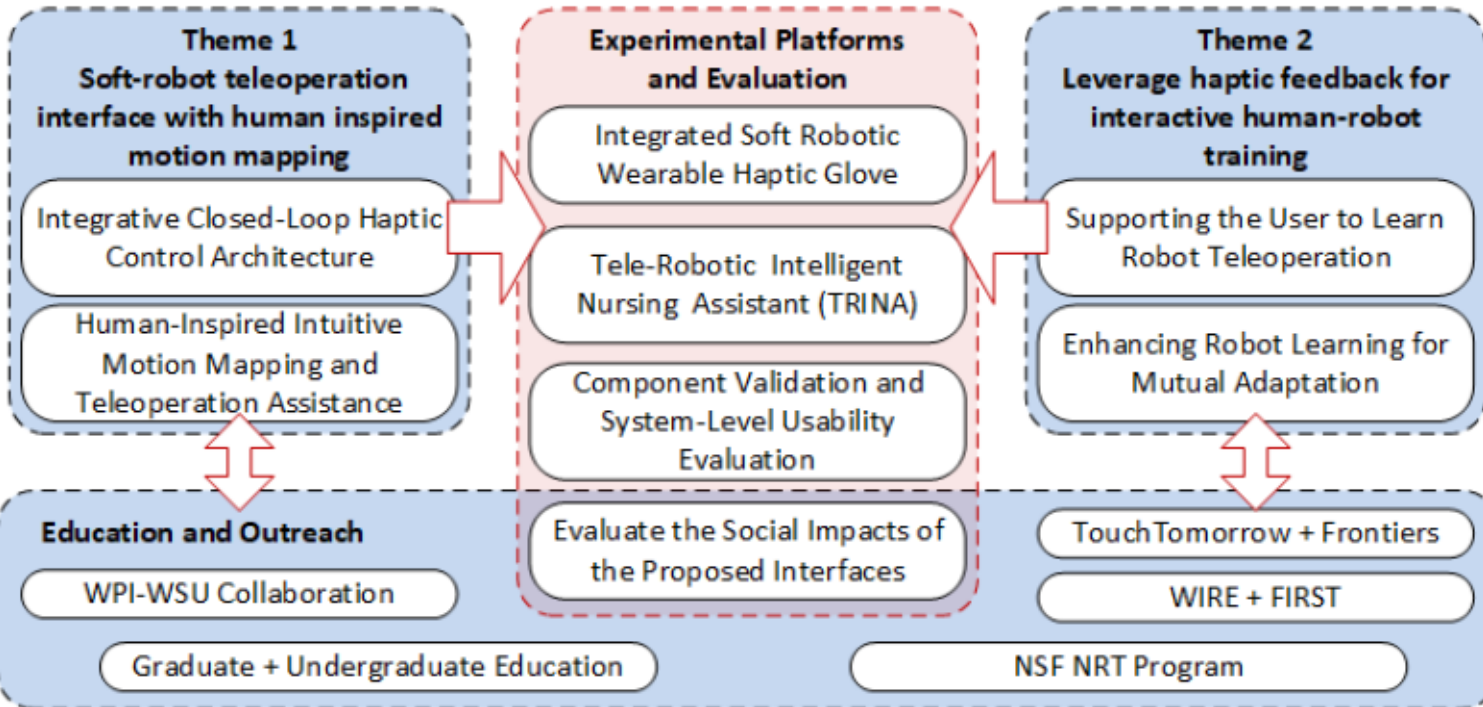
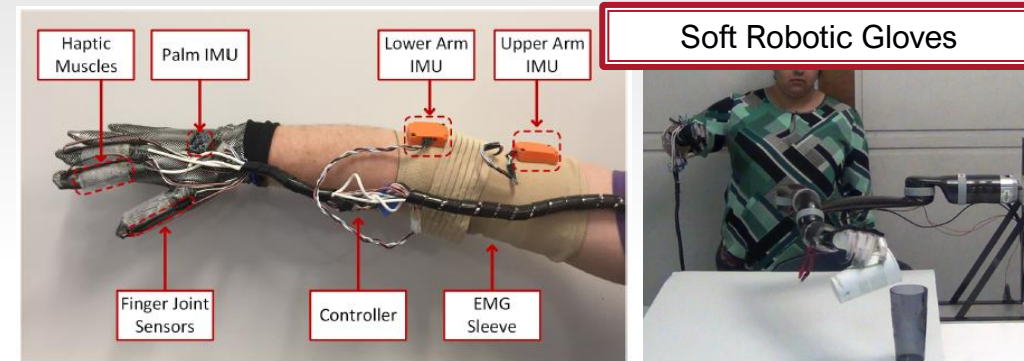


NSF Award #2024802 “Collaborative Research: NRI: INT: Transparent and Intuitive Teleoperation Interfaces for the Future Nursing Robots and Workers”, 2020/09/01-2023/08/31. Funded by **NSF NRI** and **NIOSH**.
PI: Zhi Jane Li¹ (zli11@wpi.edu), **Cagdas Onal¹**, **Jie Fu¹**, **Jeanine Skorinko²**, **Yunus Telli²**, **Paula Bylaska-Davies³**.



Motivation & Significance Tele-Nursing Robots for **pandemic response** (Ebola, Zika, COVID-19); Benefit 2.9 million US **registered nurses and nursing practitioners**; Support in-home care, clinics, and hospitals given the **shortage of nursing workers**; Prepare future workers through **fusion of nursing and engineering education**



- Interactive learning via assist-as-need haptic feedback
- Principled method to achieve human-robot mutual Adaptation

Worcester Polytechnic Institute (¹ Department of Robotics Engineering, ² Department of Social Science), ³ Worcester State of University (Department of Nursing)

