

# Research

## Shaping the New Human-Technology Frontier

November 15 | 4:00-6:00 PM

### Introductions:

Gloria Waters

Barbara Shinn-Cunningham

Vice President and Associate Provost for Research

Professor, Biomedical Engineering

Director, Center for Research in Sensory Communications & Emerging Neural Technology (CRESCENT)

### Research Presentations:

- **The Next Frontier in Post-Stroke Language Rehabilitation: Personalized Remote Rehabilitation**  
*Swathi Kiran, Professor, Speech, Language & Hearing Sciences, SAR*
- **Dynamic Adjustment of Physical Exercises Based on Performance Using the Proficio Robotic Arm**  
*Margrit Betke, Professor, Computer Science, CAS*
- **A Bionic Pancreas for Automated Diabetes Management**  
*Edward Damiano, Professor, Biomedical Engineering, ENG*
- **Reusing Clinical Data to Evaluate and Improve the Health of Populations**  
*Chris Shanahan, Assistant Professor, Medicine, MED*
- **Hearing Technologies of the Future**  
*Barbara Shinn-Cunningham, Professor, Biomedical Engineering, ENG*
- **Why Encryption Matters**  
*Sharon Goldberg, Associate Professor, Computer Science, CAS*
- **Cybersecurity and How it Affects All of Us**  
*Manuel Egele, Assistant Professor, Electrical & Computer Engineering, ENG*
- **How Things Spread in Online Social Networks**  
*Dylan Walker, Assistant Professor, Information Systems, Questrom School of Business*
- **Flexible Machine Learning Algorithms for Large-Scale Data Analysis**  
*Brian Kulis, Assistant Professor, Electrical & Computer Engineering, ENG*
- **Formal Human-Robot Interaction**  
*Calin Belta, Professor, Mechanical Engineering, ENG*

*Thank you for your participation*



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