About the iPerform Center

iPerform I/UCRC is NSF funded, representing collaborations of professors and scientists at the University of Texas at Arlington and the University of Texas at Dallas and industry partners. The primary mission of the center is to bring university and industry researchers together in order to advance basic and applied research in Assistive Technologies for the enhancement of human performance. The iPerform Center’s main aims are:

- To develop technological innovations that enhance human performance at the corporate, public and home sector
- To develop research partnerships with industry and government and to use these innovations
  - To increase productivity and profits
  - Accelerate commercialization
  - Decrease workplace deficiencies
- To improve the relevance & quality of university education and to graduate job-ready students that will help advance US competitiveness world-wide
- Foster long-term trusted relationships between industries and universities based on shared values and goals

Benefits to Industry Partners

- New opportunities for investment
  - New ways to use products and add value to current services
  - New technologies to attract customers
- Gain access to cutting edge research projects
  - Access to university labs to build, test, and evaluate products
  - Access to top students and cutting edge research
  - Access to top Faculty experts to advise, explain, suggest solutions
- Connect and advertise products to other center members
  - Expand market base by interconnecting with other members
  - Visibility, prestige & international prominence through NSF
  - Opportunities to pursue federal funding (SBIR, STTR).
- Targeted employee recruiting and training
  - Identify talented employees and Faculty to support company research
Membership and Fees

- All members have common ownership of the entire center research portfolio with the universities.
  - Membership funds are channeled through Grants & Contracts Office, with 10% overhead.

- Membership goes to support projects voted by the IAB.
  - Members attend semi-annual meetings & vote on projects to partner in research and education.
  - Members vote on the projects that best suit their mission.

- Full membership starts at $50,000 annually and is entitled to 1 vote on which projects are to be funded.

- Associate membership starts at $25,000 annually and is entitled to a ½ vote on which projects are to be funded.

Research and Application Areas

- Assistive Technologies (AT) is about human capabilities:
  - Optimize how humans deal with objects, data, services, products, software, hardware and environments around them
  - Impact performance at home, at work, online, onsite, for healthy persons and for those with disabilities

- Applications include but are not limited to:
  - Robotics
  - Healthcare delivery
  - Energy conservation
  - Security
  - Transportation
  - Manufacturing
  - Training and education
  - Medicine
  - Instrumentation

- Cutting-edge research through center faculty
  - Big Data
  - Smart materials
  - Newer sensors
  - Simulations
  - Automation
  - Software/hardware integration
  - Bioengineering discoveries

Center Contacts

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