

Texas A&M ErgoCenter: What's Happening?!

Recent Past, Current, and Future Opportunities



Recent Project Findings

- Movement at work
 - People stand using sit/stand tables more often and for longer periods when prompted
 - Using a stand capable workstation increases productivity
 - Stand capable workstations work best with footrest/footrail



Current and Upcoming Projects

- How different is the home/remote office from the “office building” location?
 - Air quality
 - Ergonomics
 - Productivity
- What can/should employers do to help standardize home/remote offices?
- How does this apply to mobile devices and the environments in which they are used?



Current and Upcoming Projects

- Determining a “digital fingerprint” for employees based on collected data when working on the computer
 - Once established, we might be able to detect changes in employee behavior that could be markers for:
 - Opioid use
 - Depression
 - Anxiety
 - Alcohol use
 - Fatigue
 - Then, we might be able to PREDICT all these!



Current and Upcoming Projects

- Fatigue and decision making in the energy industry
- Next Generation Advanced Procedures for high intensity environments
 - In cooperation with the Mary Kay O'Connor Process Safety Center
- Disaster Ergonomics
 - Responders activities and fatigue levels



Future Projects

- What can employers do to incorporate more movement into the workplace that improves long term health outcomes?
 - Obesity
 - Chronic diseases
 - Diabetes
- Hearing screening apps
- Methods for measuring ergonomic impact of software design



Future Projects

- Gathering, organizing, and analyzing continuous data from the human from a variety of sources
- Machine learning and all that data!
- Virtual reality – how does that work at work and what are its impacts?



Needs/Wants

- Home/remote office workers willing to participate in our study
- Computer workstation data and employee health data (de-identified)
- Become a participating member of our Industry Advisory Board (IAB)
- Opportunities for consulting projects
- Scholarship dollars for undergrad and graduate students



Lemme know!

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