Design Analysis Technology Advancement (D.A.T.A) Laboratory

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http://www.engr.psu.edu/datalab/
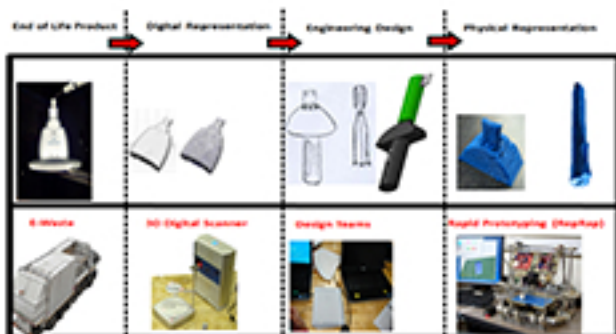
RESEARCH THEMES

- Data Mining Driven Design
- Engineering Education
- Virtual Design
- Social Media Driven Design
- Systems Emergence

DATA MINING DESIGN RESEARCH

- Knowledge Discovery in Product Design Databases

SOCIAL MEDIA NETWORKS

- Capturing Emergence using Social Media Data
- Geospatial Data Mining

DESIGN CAPTURE, AUGMENTATION AND REALIZATION

- Data Mining Driven Sustainability
- 3D Capture and Design
- Product Customization

SYSTEMS EMERGENCE

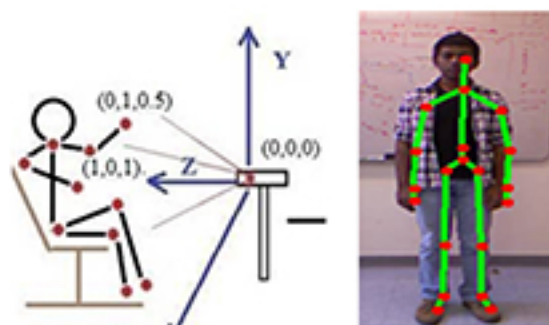- Capturing Engagement during Designer Activities

RESEARCH FUNDING

- National Science Foundation
- Center For Integrated Healthcare Delivery Systems (CIHDS)
- Center for Online Innovation in Learning

AREAS OF IMPACT

- Energy and the Environment
- Consumer Electronics
- Healthcare
- National Security