**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
- Capturing Emergence using Social Media Data
- Geospatial Data Mining

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

**DESIGN CAPTURE, AUGMENTATION AND REALIZATION**
- End of Life Products
- Digital Representation
- Engineering Design
- Physical Representation
- Data Mining Driven Sustainability
- 3D Capture and Design
- Product Customization

**SYSTEMS EMERGENCE**
- Capturing Engagement during Designer Activities

**AREAS OF IMPACT**
- Energy and the Environment
- Consumer Electronics
- Healthcare
- National Security