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Mizzou Advantage

University of Missouri

Understanding and Managing
Disruptive and Transformational Technologies

Major technological changes unleash large-scale social, cultural, economic and political consequences. Digitized computing is the most recent example of disruptive technology; the wheel could be regarded as one of the earliest. MU's collaborative work across all fields—including the social sciences and the humanities—will advance research, education and economic development as scientists and scholars study how current technologies fundamentally change in these rapidly evolving times.

Examples of MU's Disruptive and Transformational Technologies assets are:

Industry Relations and Economic Development

- Biodesign and Innovation Program
- MU Office of Economic Development
- Tiger Institute for Health Innovation

Digital Technologies in Higher Education

- Great Plains Interactive Distance Education Alliance
- Allen Institute for Research on Learning, Information & Technology
- School of Information Science and Learning Technologies
- Center for Distance and Independent Study
- Center for the Digital Globe
- University of Missouri System program for the enhancement of distance and online education

Digital Research

- Digital archiving of research projects and pre-digital information resources
- Digital Library services

Additionally, MU has areas of specific strength including:

The development, use and impact of CT, NMR, MRI, and fMRI technology

- Nuclear Magnetic Resonance Facility
- MU Bioinformatics
- MU Brain Imaging Center
- Biological sciences, medicine, veterinary medicine and engineering

Development, Use and Impact of GIS Technology in Agriculture and Geo-Science

- Center for Geospatial Intelligence
- Institute for Interdisciplinary Geotechnics
- Geographic Resources Center
- Economics and Management of Agrobiotechnology Center
- Interdisciplinary Center for Research in Earth Science Technologies
- Center for Applied Research and Environmental Systems
- Missouri Spatial Data Information Service

To learn more, visit MizzouAdvantage.missouri.edu or contact Facilitator Carsten Strathausen at strathausenc@missouri.edu.