

Data Science Initiative

Eric Michielssen

Advanced Research Computing

DATA SCIENCE

MIDAS: Michigan Institute
for **Data Science**

research, education, faculty hiring,
industry collaboration

COMPUTATIONAL SCIENCE

MICDE: Michigan Institute
for **Computational Discovery**
and **Engineering**

RESEARCH IT SERVICES

ARC – TS: Technology **S**ervices

data science & analytics
high performance computing
storage, cloud

CONSULTING SERVICES

CSCAR: Center for Statistical
Consulting and **R**esearch

data management, databases, analytics,
visualization, GIS,
statistics, computing

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Computational and Data Science

NSF MRI: A Novel Platform for Data-Driven Computational Physics

PIs: Duraisamy, Garikipati, Mozafari, Figueroa, Evrard

New computer hardware and software ecosystem to enable large scale data-driven modeling of multiscale physical phenomena ranging from turbulent fluid flows to materials physics, cosmology, climate, and cardiovascular flow

Enables High Performance Computing (HPC) clusters to communicate seamlessly and at interactive speeds on data-intensive work flows

NSF DIBBS: Multi-Institutional Open Storage Research InfraStructure

U-M PI: McKee

Novel distributed storage system for researchers at U-M, MSU, and WSU to seamlessly access, share, and manage research data

Fosters new collaborations in fields ranging from computational chemistry and high energy physics to neurodegenerative disease, statistical genetics, and population studies

MIDAS Leadership



Brian Athey

Michael A. Savageau Collegiate Professor and
Chair, Department of Computational
Medicine and Bioinformatics
Professor of Psychiatry and Internal Medicine



Al Hero

Jamison and Betty Williams Professor of
Engineering
Professor of Electrical Engineering and
Computer Science, Bioengineering, and
Statistics