Technology and Computing Solutions for UMD Researchers

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Research Computing | Academic Technology & Innovation
The mission of the Academic Technology and Innovation team is to foster effective, engaging, efficient, and equitable teaching and learning practices for the entire campus community.
Community Support and Outreach
Learning Technology Design
Academic Technology Experience
Learning Technology Strategy
Research Computing
Tripti Sinha
Assistant Vice President and Chief Technology Officer

Kevin Hildebrand
HPC Architect

Thomas Payerle
HPC Engineer

Franz Klein
HPC Engineer

Mid-Atlantic Crossroads (MAX)
High Performance Computing
Publish and Preserve
Publish and preserve research products.

Closeout and Destroy
Archive data, destroy data.

Plan and Comply
Data Management, Data Destruction, IT Security, Data Use Agreements.

Store, Collaborate, and Share
Collect data from human subjects, store data, work with colleagues, share datasets.

Compute, Map, and Display
Analyze and visualize data, share and display results.

Research Technology and Services Strategy
The Research Technology Working Group (RTWG) provides the vision, priorities, and pace for enterprise research technology solutions and services to be undertaken on campus.

https://it.umd.edu/governance/research-technology
Research Technology Survey
Get in touch with us. Find services. Browse how-to articles.

it-research-consult@umd.edu
Questions and consultations

itsupport.umd.edu
Services, articles, support

hpcc.umd.edu
High performance computing and networking
irroc.umd.edu
Search by research stage, filter by department or college, search by keyword
Plan and Comply

Research Technology Consultations

IT Standards and Guidelines

System and Software Risk Assessment (IT Compliance)

Data Destruction

Data Management Plan tool (UMD Libraries)

OSF Institutions (UMD Libraries + Division of Research)
Terrapin sounding rockets were two-stage vehicles launched from Wallops Island. The Terrapin sounding rocket was developed by Republic Aviation under a National Security Agency contract for a University of Maryland project that allowed graduate students to study the upper atmosphere.

Collect, Store, and Share

Survey Tool
Powerful tool for creating surveys, reports and downloads in statistical and other applications and systems.

Networked Storage
Unstructured, file-level storage

Box Cloud Storage
Cloud-based storage for easy collaboration

Google Drive
Online storage integrated with Google accounts
Analyze and Visualize
Analyze and Visualize

Adobe Creative Cloud
MatLab
ArcGIS
Mathematica
STATA
Nvivo
Analyze and Visualize

Google Cloud Platform
Amazon Web Services

NSF and NIH Support Research in the Cloud:
CloudBank: https://www.cloudbank.org/
NIH STRIDES: https://go.umd.edu/stridesgcp
High Performance Computing

**Open OnDemand** - Launch Jupyter Notebooks, MatLab sessions, Interactive Desktops

[https://hpcc.umd.edu/hpcc/help/ood.html](https://hpcc.umd.edu/hpcc/help/ood.html)
Open Science Framework

Manage projects, connect to storage services, share datasets. This service is provided by the University Libraries and Division of Research.

About: [https://lib.guides.umd.edu/osf](https://lib.guides.umd.edu/osf)

Access: [https://osf.umd.edu/](https://osf.umd.edu/)
The Digital Repository at the University of Maryland (DRUM) collects, preserves, and provides public access to the scholarly output of the university.

https://drum.lib.umd.edu/
IT Service Catalog & Knowledge Base

https://go.umd.edu/researchtech
We look forward to working together on our mission of discovery!

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Division of IT
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