



DATA SCIENCES SUMMER INSTITUTE

Multimodal Information Access & Synthesis Center
Department of Computer Science
University of Illinois at Urbana-Champaign
201 North Goodwin Avenue
Urbana, IL 61801

WEBSITE: MIAS.ILLINOIS.EDU/DSSI
E-MAIL: DSSI-CS@ILLINOIS.EDU



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UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN



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MAY 24 - JULY 2, 2010

2010 DATA SCIENCES

SUMMER INSTITUTE

About DSSI

The **2010 Data Sciences Summer Institute (DSSI)** is a 6-week long program in Data Science areas. This summer program (**May 24 - July 2, 2010**) consists of an intensive class in the mathematical foundations of Data Sciences, tutorials on advanced Data Science topics and collaborative research projects. The DSSI weaves together mathematical foundations, applications, and research via four coordinated activities:

- **Core Course:** An intensive course in the mathematical foundations of Data Science
- **Advanced Tutorials** on active research areas in Data Sciences given by leading researchers
- **Expert Speaker Series:** Represented are corporate, academic, and industrial researchers from around the country
- **Research Project:** A significant group research project relating to any one of the bodies of knowledge covered in the summer institute

DSSI Mission

The mission of the **Data Sciences Summer Institute (DSSI)** is to develop diverse human resources to enhance the scientific research, education, and government workforce in Data Science disciplines. This program is funded by the Department of Homeland Security's Center of Excellence—Command, Control, and Interoperability Center for Advanced Data Analysis (CCICADA) at the UIUC's Multimodal Information Access & Synthesis (MIAS) Center.

Research Areas

Our program research interests fall into the following broad technical fields of Data Science:

- Databases and Information Integration
- Machine Learning, Natural Language Processing, and Information Extraction
- Computer Vision
- Information Retrieval and Web Information Access
- Knowledge Discovery in Social & Information Networks

Who can Apply

- College Junior or Senior Computer Science students (majors or minors) and beginning Graduate students.
- Students should show strong academic performance and must have sufficient mathematical and programming experience.
- Applicants must currently be living in the United States as citizens, residents or Visa holders.

How to Apply

Applications for the **2010 Data Sciences Summer Institute (DSSI)** are now being accepted. Please provide all information requested in the application, including a Personal Statement, Resume, Transcripts, and contact information for one Letter of Recommendation from a faculty member. Online applications can be found at mias.illinois.edu/DSSI. For full consideration please apply by **March 31, 2010**.

Purpose of DSSI

- It provides specific and substantive training for the next generation of experts in the field.
- It serves as a tool for recruiting an experienced group of undergraduates into graduate study in one of the broad fields of information science.
- It is an intellectual community center, where participants at all levels of expertise come together in an enriched environment of collaboration and discovery.

Financial Aid

Room, board and stipend will be provided to qualified students. To apply, fill out the appropriate information in the online application form.

Contact Information

If you have any questions, please contact us at DSSI-cs@illinois.edu