



Computer Science Department

Web and Internet Technologies Group



Web-based

Telecommunication Link Analysis and Operation Tool funded by NASA-JPL

Goal: Real-time communications link performance verification and spacecraft anomalous correction at DSN complexes, Web-based Telecommunications Forecaster and Predictor (TFP) to support many NASA missions.



Current members: Anastasia Deckard, David Maust, Tae Ryu

Previous members: Joshua Wang, Sung Lee, Satoe Kawashima, Tai Vo, Minh De

Focus

Web & Internet technology development
Web data management, Information retrieval and Web mining, Web services, Grid computing, Distributed computing

Proposed Courses

- Web design and development
- Web programming and data mgmt
- Distributed computing & Web services
- Data integration and Web mining
- e-Commerce

Group Members

S. Barua, N. Chen, J. Choi, B. Cong, S. Courellis, D. Falconer, A. Holliday, F. Holliday, D. Huizinga, C. Jo, D. Kastner, B. Laguna, D. Michalopoulos, M. Molodowitch, T. Ryu, X. Wang

Collaborating Groups

- Computer Security and Forensics
- Data Mining and Bioinformatics
- Embedded, Wireless, & Mobile Computing
- Multimedia, Computer Games, & Digital Animation
- Software Engineering

Applications

Support many NASA missions including Mars Exploration Rover (MER), Cassini, Deep Impact, etc.
Web-based 2-D and 3-D animated simulation support for those missions



Applications

Various Internet applications, Web sites, and Web-based information management systems from small scale to large scale, Web mining and data integration, e-business, distributed computing