



ISTeC Research Retreat 2006

The goal of the retreat is to bring together researchers from across Colorado State University to facilitate collaborative interdisciplinary research in Information Science and Technology, including the potential for development of funded research programs. All CSU faculty, graduate students, and research staff are welcome to participate.

Wednesday May 10, 2006

Hilton Hotel, 425 W. Prospect Road, Fort Collins

Pre-registration by May 1, 2006 is required at <http://istec.colostate.edu>

8:00 – 9:00	Breakfast Buffet (Provided)	
9:00 – 9:30	Introduction and Opening Remarks from Dr. Tony Frank Senior Vice President & Provost, Colorado State University	
9:30 – 10:30	Breakout Groups and Possible Subtopics:	
	Bioinformatics & Biometrics	Chair: Lucy Troup (Psychology)
	<ul style="list-style-type: none"> ✓ Face recognition and other expert processes ✓ Human and computer models of information processing and their application to the development of biometric tools ✓ Mathematical, statistical, and computing methods to solve biological problems 	
	Remote Sensing	Chair: Steve Reising (Electrical & Computer Engineering)
	<ul style="list-style-type: none"> ✓ Satellite meteorology and oceanography ✓ Radiative transfer in microwave and optical remote sensing ✓ Effects of radar/radiometer calibration on long-term monitoring of climate processes ✓ Polarimetric and high-frequency weather radar ✓ Quantitative precipitation estimation ✓ Advanced techniques and networking of remote sensing instrumentation 	
	Human Computer Interaction	Chair: Don Zimmerman (Journalism & Technical Communication)
	<ul style="list-style-type: none"> ✓ Distributed database design ✓ Web site design, graphical interface design, knowledge-based technology ✓ Collaborative technologies ✓ Multimedia group decision making ✓ Software interface and database design ✓ Usability testing ✓ Technology transfer and adoption 	
	Reliable Information Systems	Chair: Indrakshi Ray (Computer Science)
	<ul style="list-style-type: none"> ✓ Dependable and secure networks ✓ Software assurance ✓ Cyber forensics ✓ Next generation designs and architectures for systems ✓ Robust parallel and distributed computing 	
	Computing in Atmospheric Science	Chair: Darrell Whitley (Computer Science)
	<ul style="list-style-type: none"> ✓ High performance computing and optimization ✓ Inverse problems ✓ Machine learning for prediction problems 	
10:30 – 11:00	Refreshments	
11:00 – 12:00	Continuation of Breakout Groups	
12:00 – 1:30	Buffet Lunch (Provided) – Informal Discussions	
1:30 – 2:30	Presentations of Outcomes of Breakout Groups	
2:30 – 3:00	Closing Remarks & Refreshments	

For more information contact Professor Lucy Troup, ltroup@lamar.colostate.edu.

ISTeC (Information Science and Technology Center) is a university-wide organization for promoting, facilitating, and enhancing CSU's research, education, and outreach activities pertaining to the design and innovative application of computer, communication, and information systems. For more information please see ISTeC.ColoState.edu.