

ISTeC (Information Science and Technology Center) Research Advisory Committee
 Retreat on the Scientific and Engineering Foundations of Information Science and
 Technology
 Saturday, May 8, 8:15am to 3:00pm, Lory Student Center

DOSSIER

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Research Interests (one paragraph):	
<p>Statistical machine learning for image and signal analysis and classification and for adaptive control. Computer graphics and dimensionality reduction for visualization.</p>	
Titles of current research projects (funded or not):	
<p>Robust Reinforcement Learning for Control of Heating and Cooling of Buildings. Geometric Pattern Analysis of Electroencephalogram Signals for Brain-Computer Interfaces. Computational Models of Biological Neural Networks Predictive Models of Tropical Storms</p>	
Current collaborations inside and outside your department:	
<p>Michael Kirby (Math), Peter Young (ECE), Doug Hittle (Mech Eng), Mark DeMaria (Atmos), Denis Dean (Forestry), Ed Dudek (Biomed)</p>	
Breakout sessions you would like to attend at the retreat (please rank order from 1 to 3):	
3	Alternative models of computing
1	Computing and information processing in support of basic science and engineering
	Dense sensor networks
	Imaging and tracking
2	Automatic image, text, and speech recognition for multimodal interfaces and search engines
	Other (Please suggest a title.)

Faculty at CSU whom you would like to see included into your preferred breakout group:

One optional paragraph you would like other participants to read before the retreat: