

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>Modeling, analysis, control, and optimization of communication systems and networks, computer systems, and sensor systems. Also theoretical issues arising in these areas, such as the analysis of optimization algorithms.</p>	
Titles of current research projects (funded or not):	
<p>Funded: Design and Control of Next Generation Networks: A Measurement Analytical Approach (NSF); Control of Communication Networks: Modeling, Simulation, and Optimization (NSF); Opportunistic Scheduling for Multimedia Wireless Systems (NSF); Integrated Sensing and Processing (DARPA). Not yet funded: Continuum Models for Dense Network; COGrid Effort at CSU.</p>	
Current collaborations inside and outside your department:	
<p>ECE at CSU: Louis Scharf, HJ Siegel, Tony Maciejewski Non-ECE at CSU: Jan Hannig (Stat), Don Estep (Math), Pat Burns (ACNS), Sanjay Rajopadhye (CS) Outside CSU: Ness Shroff (Purdue), Malathi Veeraraghavan (UVA)</p>	
Breakout sessions you would like to attend at the retreat (please rank order from 1 to 3):	
3	Alternative models of computing
2	Computing and information processing in support of basic science and engineering
1	Dense sensor networks
4	Imaging and tracking
5	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:

Jan Hannig, Don Estep, Louis Scharf

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