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):

Stochastic Feedback Systems with applications to the modeling of multistate survival models and the reliability of complex systems.

Queueing Networks and their Performance Evaluation.

Transform Methods, Complex variables and technologies that invert transforms for practical problems.

Titles of current research projects (funded or not):

Saddlepoint and Bootstrap Methods in Stochastic Systems (funded by NSF Div Math Sciences)

Current collaborations inside and outside your department:

Andrew Wood, Univ. Nottingham – Special function approximations including hypergeometric functions
Paul Slade, Univ. Sydney - Special function methods in genetic models of population dynamics
Marc Paolella, Univ Zurich – Saddlepoint methods in Statistics
Phil Chapman, Stat CSU - Saddlepoint methods
Rob Page, Texas Tech - Saddlepoint methods
Doug Bronson - multistate survival models

Breakout sessions you would like to attend at the retreat (please rank order from 1 to 3):

3	Alternative models of computing
	Computing and information processing in support of basic science and engineering
	Dense sensor networks
2	Imaging and tracking

	Automatic image, text, and speech recognition for multimodal interfaces and search engines
1	Other (Please suggest a title.) General systems theory, stochastic systems, performance evaluation of complex systems, communication networks, organizational networks.

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: