

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): Psychophysics: Color processing in the retina. Neurophysiology of the visual system. Computational & Neural modeling of the visual system.	
Titles of current research projects (funded or not): Comparisons of adaptation conditions at 10 degrees eccentricity in peripheral retina and effects on color vision. Neurophysiological models of color processing in the retina and cortex. Magnocellular function, peripheral retinal processing and its role in reflexive epilepsy.	
Current collaborations inside and outside your department: Dr Jan Nerger (Psychology) Dr Vicki Volbrecht (Psychology) Dr Chris Eddy (Eye Care Associates)	
Breakout sessions you would like to attend at the retreat (please rank order from 1 to 3):	
2	Alternative models of computing
3	Computing and information processing in support of basic science and engineering
	Dense sensor networks
	Imaging and tracking
	Automatic image, text, and speech recognition for multimodal interfaces and search engines
1	Neurophysiological models in Science

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

Dr Chuck Anderson

Dr Ed Dudek

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

I am very interested in collaborations involving neurophysiological modeling of brain function. I would also be interested in any inter departmental collaborations to which I could be of use.