DOSSIER

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Research Interests (one paragraph):
  My career has focused on building computer systems for high level vision: object recognition, image understanding, and vision in support of cognition. My current emphasis is on modeling the human vision system (particularly parts after V1), and on applying biomimetic models to information retrieval applications.

Titles of current research projects (funded or not):
  (1) Modeling the ventral visual pathway
  (2) Multi-modal (text + image) information retrieval
  (3) Evaluation of Automatic Face Recognition Systems
  (4) Mapping computer vision & image processing onto FPGAs
  (5) In-vivo imaging of plants using coherent light microscopy

Current collaborations inside and outside your department:
  (1) Ross Beveridge [CS], Geoff Givens [Stats] and Michael Kirby [Math] on automatic face recognition
  (2) Adele Howe [CS] on multi-modal information retrieval
  (3) Wim Bohm [CS] on mapping CS and IP to FPGAs
  (4) June Medford [Bio] & Ross Beveridge [CS] on in-vivo imaging.

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

	Alternative models of computing
	Computing and information processing in support of basic science and engineering
2	Dense sensor networks
3	Imaging and tracking
1	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: