

Inaugural Meeting

Center of Excellence in Neuroergonomics, Technology, and Cognition (CENTEC)

*Johnson Center, Room E,
George Mason University*

September 14, 2010

*Sponsored by the Air Force Office of Sponsored Research
(AFOSR), the Human Effectiveness Directorate, Air Force
Research Laboratory (AFRL), and George Mason University*



AGENDA

- 8:30 am *Registration and Coffee.*
- 9:00 am *Welcome Remarks.* Roger Stough, Vice President for Research and Economic Development, George Mason University
- 9:05 am *Opening Remarks.* Morley Stone, Chief Scientist, Human Effectiveness Directorate, Air Force Research Laboratory
- 9:15 am *Overview of CENTEC.* Raja Parasuraman, University Professor, Department of Psychology, George Mason University

SELECTED CENTEC PROJECT AREAS

- 9:45 am *Emerging Cognitive Neuroimaging Technologies.* James Thompson, Assistant Professor, Department of Psychology
- 10:15 am *Molecular Genetics of Complex Cognition and Training,* Raja Parasuraman, University Professor, Department of Psychology
- 10:45 am BREAK
- 11:00 am *Neurocomputation, Learning, and the Hippocampus.* Giorgio Ascoli, University Professor, Department of Molecular Neuroscience
- 11:30 am *Neuroimaging of Human Trust.* Frank Krueger, Assistant Professor, Department of Molecular Neuroscience
- 12:00 pm *Cognitive Modeling of Trust between Agents and Humans.* Bill Kennedy, Research Assistant Professor, Center for Social Complexity, Department of Computational Social Science
- 12:30 pm LUNCH
- 1:30 pm *Attention, Eye Movements, and Situation Awareness.* Matthew Peterson, Associate Professor, Department of Psychology
- 2:00 pm *Neuroadaptive Systems for Enhanced Learning.* Carryl Baldwin, Assistant Professor, Department of Psychology

NEUROERGONOMICS RESEARCH AT AFRL

- 2:30 pm James Christensen, *Real-time Assessment of Cognitive State using Pattern Classification,* Air Force Research Lab
- 3:00 BREAK
- 3:15 pm Glenn Gunzelmann, *Modeling the Impact of Fatigue on Cognitive Processing,* Air Force Research Lab
- 3:45 pm Andrew McKinley, *Brain Stimulation, Learning, and Cognition,* Air Force Research Lab
- 4:15 pm Discussion and Closing Remarks, Joel Warm, Senior Scientist, Human Effectiveness Directorate, Air Force Research Laboratory
- 5:00 pm ADJOURN