



Season Greetings,

The Computational Intelligence, Engineering Medicine & Biology, Computer, Social Implications of Technology, Robotics & Automation, and Communication Societies extend an invitation for you to attend and participate at the Saturday, Dec 18, 2010 holiday social and society 2011 elections meeting. Mr. Richard Hill who recently established the Washington DC/NOVA Computational Intelligence Society will kick off the event by presenting “Spatiotemporal Dynamics in Modeling Early Sensorimotor Intelligence: “

The presentation commences in the Auditorium A03, Building 41 at the University of District of Columbia (UDC) 4200 Connecticut Ave., NW Washington DC, 20008.at 10:30 AM followed by society executive committee elections, lunch, and social networking.

Abstract:

Modeling the mechanisms of the human brain continues to challenge modern science. The hypothesis that the earliest learned habits are driven by innate non-objective preferences and are united with innate sensorimotor habits drives the analysis of affect-driven neural networks. This analytical framework suggests that sensorimotor learning and memory is the premise behind human intelligence and the primary stage for the development of internal representations of objects and events in cognitive neuroscience. The agent-based Spatiotemporal Dynamics in Modeling Early Sensorimotor Intelligence presented is the basis of Mr. Hill’s master thesis work in which he will demonstrate how learned associations with the ability to override innate reflexes and produce learned voluntary motions.

Speaker Biography:

Mr. Richard Hill joined the National Science Foundation (NSF) staff in 2009 as an Analyst where he mines historical data sets with respect to NSF policies. Mr. Hill plans to complete his Masters in Computational Neuroscience from the University of Idaho (UI). UI campus in Moscow, Idaho hosts the Microelectronic Research and Communications Institute (MRCI), which houses the Center for Secure & Dependable Systems (CSDS), Center for Intelligent Systems Research (CISR) and Laboratories for Computational Neuroscience & Technology Research (LCNTR). In addition, he applies his professional experience in distributed embedded programming by volunteering with the For Inspiration and Recognition of Science and Technology (FIRST) High School Robotic teams in the Washington DC area.

Directions:

UDC is located at the Van Ness-UDC Metro station (Red line). See www.udc.edu/campus_map.htm for driving directions. Campus garage parking is Free on Saturday.

RSVP: Debi Siering at Siering@ieee.org by Thursday December 16, 2010 Please indicate your society affiliation and the executive committee position in which you would like to volunteer for the upcoming year. (See Executive Committee roles and responsibilities description listed below)



The following list the Executive Committee positions along with a brief description of the role and responsibilities:

- Officers- are responsible for maintaining the overall welfare of the Chapter
 - Chair
 - Ensures that the chapter is active & stimulates local member participation
 - Outreach: work with volunteer to ensure satisfactory performance
 - Serve as an Officer Mentor to the other Officers as well as prospective Officers
 - Establishes and supports members interest
 - Represent the Section/Chapter at IEEE gatherings
 - Backfills in any capacity in the absences of any of the other officer roles (Vice Chair, Secretary, Treasurer, Membership Development, and designated Supplemental roles e.g. Program Events Director)
 - Vice Chair
 - Supports the Chair in their absence as well as assist them
 - Provides outreach to the community
 - Supports new and senior membership upgrade
 - Secretary
 - Maintains the meeting minutes and records
 - Submits meeting activity reports (L31)
 - Treasurer
 - Maintain the Concentration Banking Account
 - Submit annual Financial Report to IEEE headquarters (L50)
 - Manage receipt payables with associated expenses of any event
 - Membership Development
 - Engages with the IEEE corporate headquarters monthly teleconference and supports activities at the local level in promoting new member activities
- Informal Roles are for those members interested in supporting the chapter in some capacity such as:
 - Washington DC and NOVA Representative
 - Attend monthly Washington and NOVA Section Administrative Committee Meetings to provide a report of previous and future Society activities.
 - Program Events Director
 - Coordinates with prospective speakers to arrange for presentation
 - Coordinates with other IEEE Societies in arranging cosponsoring events
 - Disseminates announcement of an upcoming event to the Scanner staff & sends out e-Notice (IEEE email announcements to members)
 - Write and submit articles on presentation for the Scanner
 - Webmaster
 - Maintains the Chapter's webpage of local activities
 - Wash DC & NOVA University Liaison
 - Serves to support arranging joint activities between the local student Universities branches and the Chapter