WORKSHOP

Ergonomics of Dependable and of Safety Critical Systems

Organizer: Eliezer Kantorowitz, Compute Science Dept., Technion -Israel Institute of Technology

System failures are in some applications, e.g. banking, difficult to accept and have resulted in the development of highly dependable systems. A special class of these systems regards the safety critical systems, whose operation involves risks for the health or the life of humans, e.g. air traffic control systems. This workshop considers the design of the user interfaces of such systems. Some of these user interfaces must enable coping with cognitively demanding situations. The workshop will in addition consider the process of designing these systems. The possibly most difficult part of the design regards the attempt to identify all the possible critical cases. This may require the participation of different kinds of experts and employing methods designed for uncovering difficult to detect critical cases. The design of dependable systems may thus involve a most demanding kind of computer-supported cooperative work (CSCW).

Goal

The purpose of the workshop is to bring together researchers and practitioners interested in formulating research problems in this area and possibly establish research collaborations.

Participation

Participation to the workshop is based on the acceptance of a submitted position paper of 1-2 pages in English. The position paper in pdf format, using ECCE 13 WORD template, should be emailed to Eliezer Kantorowitz: kantor@cs.technion.ac.il

Workshop Deadlines

Position papers received before July 10, 2013 (inclusive), will receive their acceptance/rejection notification by July 14. This enables meeting the early registration date.

A position papers received at a later date will receive its acceptance/rejection notification about 4 days later.

August 28, 2013 Workshop