BT Research Laboratories – Future Technologies Group

Adaptive and Resilient Computing Security (ARCS 2008)

30th Sept., 2008, BT Centre, London

Workshop Organizer(s):

Dr. Robert Ghanea-Hercock

Chief Researcher,
BT, Adastral Park, MLB1 PP12, Martlesham, Suffolk, IP5 3RE, UK.
Tel: +44 1473 605486
Email: robert.ghanea-hercock@bt.com

Synopsis

ARCS 2008 is the seventh meeting of a workshop designed to bring together senior industrial researchers, policy makers and leading academics in the areas of Self-healing systems, Resilient Networks, Computer Immunology and Cyber Security.

Resilient and Adaptive Defense of Computing Networks

Background

The increasing reliance on computing networks and services raises a number of security concerns. Firstly that the increasing resource value in such networks will attract greater levels of targeted attacks, (and general malicious activity via computer viruses/worms/hacking). Secondly, that the massive increase in network complexity engenders higher risks of system failure.

In order to achieve the goal of a resilient network, a substantial effort in interdisciplinary research is required. Some of the problems, which may be addressed, include:

- Design of self-healing networks
- Optimization versus robustness
- Machine learning and defense strategies
- Dynamic stability in large-scale networks
- Robustness in Complex Adaptive Systems
- Self & non-self recognition, Immunology models

More information and slides from previous workshops are available at:
http://www.arcs-workshop.org

Attendance: In order to attend please submit a 4 page extended abstract by 31st June to the workshop Chair at: Robert.ghanea-hercock@bt.com.