ReSIST: Resilience for Survivability in IST
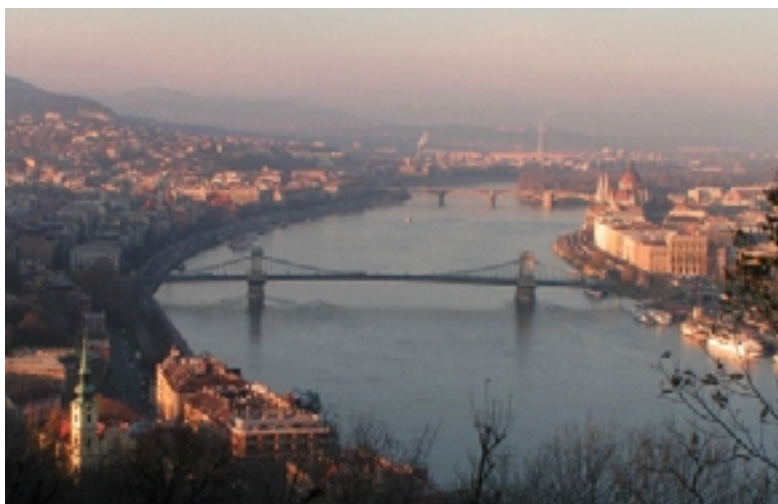
A European Network of Excellence

http://www.resist-noe.org

First Open Workshop

Budapest University of Technology and Economics

21-22 March 2007

Network Partners

LAAS-CNRS, Toulouse, France (Coordinator)

Budapest University of Technology and Economics, Hungary

City University, London, UK

Technische Universität Darmstadt, Germany

Deep Blue Srl, Roma, Italy

Institut Eurécom, Sophia Antipolis, France

France Telecom Recherche et Développement, Lannion and Caen, France

IBM Research Gmbh, Zürich, Switzerland

Université de Rennes 1 – IRISA, France

Université Paul Sabatier Toulouse III – IRIT, France

Vytautas Magnus University, Kaunas, Lithuania

Fundação da Faculdade de Ciencas da Universidade de Lisboa, Portugal

University of Newcastle upon Tyne, UK

Università di Pisa, Italy

QinetiQ Limited, Malvern, UK

Università degli studi di Roma "La Sapienza", Italy

Universität Ulm, Germany

University of Southampton, UK

About ReSIST

ReSIST is a Network of Excellence that addresses the strategic objective "Towards a global dependability and security framework" of the European Union Work Programme, and responds to the stated "need for resilience, self-healing, dynamic content and volatile environments".

It integrates leading researchers active in the multidisciplinary domains of Dependability, Security, and Human Factors, in order that Europe will have a well-focused coherent set of research activities aimed at ensuring that future "ubiquitous computing systems" – the immense systems of ever-evolving networks of computers and mobile devices which are needed to support and provide Ambient Intelligence (AmI) – have the necessary resilience and survivability, despite any physical and residual development faults, interaction mistakes, or malicious attacks and disruptions.

About the Workshop

ReSIST started on January 2006. The workshop is aimed at presenting salient results of the first year of activity, and to invite comments, criticisms, and suggestions for future investigation.

Presentations by ReSIST members include a selection of topics from the State of Knowledge document produced by the Network, and the demonstration of an ontology-based resilience knowledge base.

Those presentations are complemented by
- two invited talks by distinguished and highly renowned speakers,

and by
- a panel where selected European projects will present their views of resilience, and compare them to ReSIST's views.

Programme

Wednesday 21 March

12h   Registration

12h30 - 14h   Lunch

14h - 14h35   *Opening Session*
Session Chair: Andras Pataricza (Budapest University of Technology and Economics)
ReSIST: resilience for survivabilty, an overview, Jean-Claude Laprie (LAAS-CNRS)

14h35 - 16h05 *Resilience Design*
Session Chair: Michel Raynal (Université de Rennes I - IRISA)
Data distribution in large-scale systems, Roberto Baldoni (Università degli dtudi di Roma "La Sapienza")
Cooperative backup in dynamic systems, Marc-Olivier Killijian (LAAS-CNRS)
Challenges and advances in dependable e-voting systems: technical and socio-technical aspects, Peter Ryan (University of Newcastle upon Tyne) and Lorenzo Strigini (City University, London)

16h05 - 16h35 Coffee Break

16h35 - 17h15 *Invited Talk 1*
Session Chair: Algirdas Avizienis (Vytautas Magnus University, Kaunas)
Probabilistic Validation of Computer System Survivability, Bill Sanders (University of Illinois at Urbana-Champain)

17h15 - 18h30 *Resilience Evaluation and Verification*
Session Chair: Karama Kanoun (LAAS-CNRS)
Modeling and evaluation of largeness in evolving systems, Andrea Bondavalli (Università di Firenze)
Towards attack modelization thanks to honeypot data processing, Marc Dacier (Institut Eurécom)
Scalable verification of systems with cryptography, Birgit Pfitzmann (IBM Research Zurich)

20h   Workshop Banquet

Thursday 22 March

8h30 - 9h10   *Resilience Knowledge Base*
Session Chair: Brian Randell (University of Newcastle upon Tyne)
Prototype knowledge base: an on-line information service in dependability and security, Hugh Glaser (University of Southampton)

9h10 - 9h50   *Invited Talk 2*
Session Chair: Alberto Pasquini (Deep Blue)
Modelling of failures: from chains to coincidences, Erik Hollnagel (Ecole des Mines, Sophia Antipolis)

9h50 - 10h20   Coffee Break

10h20 - 11h20 *Panel*
Resilience Views from other European Projects
Panel Moderator: Luca Simoncini (Unversità di Pisa)
Panelists:
Benoît Bruyère (Thales), *DESEREC Integrated Project*
Aljosa Pasic (Atos Origin), *ESFORS Coordination Action*
Domenico Presenza (Ingegneria Informatica), *SERENITY Integrated Project*
Hans Peter Schwefel (Aalborg University), *HIDENETS Specific Targeted Research Project*

11h20 - 12h30 *Conclusions*
Session Chair: Tom Anderson (University of Newcastle upon Tyne)
Future research directions, structuring effect of ReSIST, Jean-Claude Laprie (LAAS-CNRS)
General discussion

12h30 - 14h   Lunch

Registration fee

Registration fee is 100 Euros, covering
- attendance to the workshop,
- a CD containing the State of Knowledge on Resilience, produced by ReSIST,
- the Banquet, Lunches, Coffee Breaks.

No registration fee is required from students.

Attendance is limited. Registrations will be processed on a first-come first-served basis.

Fellowships

A limited number of fellowships will be made available for scientists and industrial experts from the New Member States.

Please apply in e-mail to:
resistmeeting@mit.bme.hu

Location

Budapest University of Technology and Economics

The ReSIST Workshop will take place in Builiding **A**

How to get to the University:
http://portal.bme.hu/langs/en/where.aspx

Map of the University: http://portal.bme.hu/terkep.aspx

Hotels

Danubius Hotel Gellért**

1111 Budapest, Szent Gellért tér 1.

Room reservation:
Phone: +36 1 889-5501
Fax: +36 1 889-5505
E-mail: gellert.reservation@danubiusgroup.com
http://www.danubiushotels.com/gellert

Hotel Mercure Duna**

1095 Budapest, Soroksári út 12.

Room reservation:
Phone: +36 1 455-8300
Fax: +36 1 455-8385
http://www.accorhotels.com/accorhotels/fichehotel/gb/mer/2025/fiche_hotel.shtml

BME Professor's Guesthouse**

1111 Budapest, Stoczek utca 5-7, 7th floor

Room reservation:
Phone.: +36 1 463-4103
Fax: +36 1 463-3936
http://www.otevszak.hu/hotel/angol/indexed.php

ReSIST Open Workshop

Budapest University of Technology and Economics

Registration Form

Fax to +36 1 463 26 67 or email to resistmeeting@mit.bme.hu, before 5 March 2007

Attendee:

Name (First Last): _____

Email: _____

Company/Institution: _____

Address: _____

_____

City: _____ State/Province: _____

Country: _____ Zip/Postal Code: _____

Phone: _____ Fax: _____

Special Dietary Needs: _____

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Students

No registration fee is required from students. If you are a student, please tick ☐
Evidence of student status will be requested upon registration.

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Payment

By Credit Card:

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By bank transfer:
IBAN: HU55 1091 8001 0000 0003 3926 0098
Name of the Bank: HVB Bank
Address of the Bank: H-1111 Lágymányosi u. 2
Swift code: BACXHUHB

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