

Trust & Security Newsletter

March 2010

The newsletter about Trust & Security in the Information Society

http://cordis.europa.eu/fp7/ict/security/home_en.html



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Jacques Bus: Farewell and many thanks

After more than 21 years of working at the Commission Research Programmes, I have decided that it is time to make a turn in my life. On 31 March 2010 I will stop my work at the Commission.



I started in the Commission in 1988 in the area of Computer Integrated Manufacturing as a project officer and I have gone through a number of jobs in the ESPRIT and IST programmes, varying from operational and internal informatics provision to Software Technologies and finally Trust and Security. It has been challenging at times, and mostly highly satisfactory and rewarding.

However, much of what I have done and achieved could not have been done without you, who actually performed the research, discussed the work to be done and gave advice on road maps and technology directions. I have learnt a lot from you and would like to thank you all very warmly for the friendship, cooperation and hard work over many years. In particular in the area of "Trust and Security", in which I worked for the last 6 years closely with many of the readers of this Newsletter, achievements are significant, as apparent from the RISEPTIS report and the Conference on "Trust in the Information Society", in León on 10-11 Feb 2010 under the Spanish Presidency.

I wish you all much success in the continued struggle for the development of trust in our digital life. I will still try to contribute to this goal in a more independent position and therefore hope to meet some of you in the future again.

For all of you: many thanks and farewell.

Jacques Bus

Head of Unit "Trust and Security"

Changes in the Trust and Security Unit

People come and people go, also in the Trust and Security Unit. Besides Jacques Bus, Bart van Caenegem will leave the unit per 1 March and Tamas Kolossa will leave per 15 April. Yves Paidaveine and Massimo Ciscato have recently left the Unit.

The Unit welcomes Valeria Bricola as a new Project Officer. The other vacant positions are expected to be filled up very soon.

Conclusions of the León conference

The Conference on *Trust in the Information Society*, organized under the auspices of the Spanish EU Presidency by Unit F5 with **INTECO** (The National Institute of Communication Technologies), and **eSEC-AETIC** (Spanish Technology Platform for Security, Trust and Dependability) resulted in the drafting of the "**Conclusions of León**". This document is the collective effort of the event's participants, underlining the validity of the **RISEPTIS** report and rec-

book

✓ Future Events

This e-newsletter is a supplement to the Website above for the domain of Trust and Security within the EU's 7th Research Framework programme (FP7), Theme "Information and Communication Technologies" (ICT). Through the FP7-ICT Theme, Unit F5 "Security" in DG Information Society and Media continues its efforts to support the development of knowledge and technologies that manage and control complex and interdependent systems, in order to secure modern information systems and networks and to build resilience in the Information Society infrastructures.

Our activities cover research and its relationship with policy developments in trust and security in a number of areas, i.e. network security and security of digital assets, applications and services, fighting against cyber crime, cryptography, trusted computing, identity and privacy management, authentication, multimodal biometrics and support of standardisation and interoperability.

Here you will find snapshots of our activities at regular intervals. More details are available on our Website, including a list of events.

ommends actions to be taken by the European Commission and Member States. The Conclusions will feed into the discussions on trust in eHealth, eGovernment and eIdentity.

The event was attended by more than 200 participants and more than 7000 users followed the event online. The presentations and the recordings of the discussions are available [online](#).

The objectives of the event were to discuss on how Information and Communication Technology (ICT) can be a generator of trust or can be adapted and used to generate e-trust. In addition to a presentation of the RISEPTIS report by the RISEPTIS chair prof. Metakides, the following themes were addressed:

- The industry perspective on Digital Life and Trust,
- Trustworthy networking and computing services,
- Management of Digital Identities in the Common European Framework,
- Development of the Legal Framework of the EU with regard to the Protection of Data and Privacy
- International cooperation

Special issue of Journal of Computer Security: focus on EU-funded research projects in trust and security

A special issue of the *Journal of Computer Security* has been published on EU-funded research projects in Trust and Security. The issue brings together the research results of six ongoing FP6-IST projects (ANTIPHISH, S3MS, SECOQC, OPEN TC, PRIME and HUMABIO). The editors of the journal invited those projects that had received outstanding reviews in the ICT Trust and Security EU-calls to submit their papers.

A copy of the articles can be found on the [JCS website](#).

Call 5 evaluations

Call 5 of the FP7 ICT Work Programme 2009-2010 was published on 31 July 2009 and closed on 4th November 2009.

Objective 1.4 presented an opportunity for funding research on 'Trustworthy ICT', while obj.9.2 called for international cooperation and obj.9.5 for extending the consortium into the enlarged European Union. Both 9.2 and 9.5 were applicable to ongoing projects. In total we have received 124 proposals. The quality in general was very high. Currently negotiations are ongoing with the retained projects for funding. We expect projects to start either shortly before or after the summer break. Once negotiations are finalised, you will find information on the new projects in our projects page.

Open PPP-FI Constituency building Event

The European Commission underlined the importance of building a Future Internet Public-Private-Partnership (PPP) and committed to kick-start this initiative already in 2010 by allocating a total of 300 million euros under FP7 ICT Theme until 2013, as stated in the [communication COM\(2009\) 479 final](#).

This open event is held on 12 March in Nice and will raise awareness among all interested stakeholders, about the concepts, focus, structure and implementation plans of the Public-Private-Partnership. It is also a unique opportunity for contributing your vision on how such partnerships will transform the Internet to support applications of important social value.

Any stakeholder in Europe (academia, research institutes, utilities companies, end users, cities, SMEs and ICT industry) in the Future Internet development is welcome to attend the event. For more info, please check the [event website](#). Please [register](#) your free attendance as soon as possible.

Future Internet Activities

The [Future Internet Assembly \(FIA '09\)](#) conference was held in Stockholm, Sweden at the Kista Science City during 23-24th November 2009. FIA'09 Stockholm brought together over 300 stakeholders in the Future Internet developments from policy makers, industry and academia, coming from mainly from EU member countries and abroad. There were a number of sessions dedicated to ICT Trust and Security topics including:

- **ID Provisioning in FI**, whose objective was to provide an op-

INFSO-F5 Scientific Staff

listed with e-mail names

Jacques Bus

jacques.bus at ec.europa.eu
Head of Unit

Gustav Kalbe

gustav.kalbe at ec.europa.eu
Deputy Head of Unit

Manuel Carvalhosa

manuel.carvalhosa at ec.europa.eu
End-to-end security for services and applications

Tamas Kolossa

tamas.kolossa at ec.europa.eu
Communication

Angelo Marino

angelo.marino at ec.europa.eu
Dependability and resilience in Ambient Intelligence

Oluf Nielsen

oluf.nielsen at ec.europa.eu
Biometrics

Bart van Caenegem

bart.van-caenegem at ec.europa.eu
Mobile security

Dirk van Rooy

dirk.van-rooy at ec.europa.eu
Identity & Privacy, Biometrics and Applications

Wout van Wijk

wout.van-wijk at ec.europa.eu
Identity & Privacy, Privacy enhancing technologies

Newsletter Editors

Wout van Wijk

Gustav Kalbe

portunity for networks and the services/applications communities to lay out their motivation and challenges associated with their approaches to electronic Identification (eID) provisioning in FI. The session was an opportunity for the communities to establish common ground for the evolution and broadening the scope of eID provisioning across the layers.

- **How to Measure Trust in the FI**, whose objective of the session was to explore the various dimensions of trust and security measurements and related metrics in the Future Internet, in order to identify the scope, the relevant research challenges and the path towards meeting them.
- **Trust and Identity Caretakers session**, whose objective was to discuss and agree the required topics and ways forward for **FIA Valencia** (April 2010 and beyond).

The materials from all the above sessions, including program, slides and reports can be found at the Trust and Identity Caretakers [wiki](#).

Expanding on the conclusions of the Stockholm event preparations are well underway for the **FIA Valencia** event being held 15 – 16th April 2010. The session 'Foundations of Trust in the Future Internet' will explore the human and technical foundations of trust in the Future Internet with the intent of developing a roadmap for future cross-domain research. The session will address the very real question of how to ensure that end users can have sufficient confidence and trust in the infrastructure and services of the Future Internet to readily participate in a *digital life* and *digital society*. Invited speakers will explore a number of different dimensions to trust and trustworthiness, including security challenges for the FI, Provenance in the FI (understanding and trusting origins of data/information), economics of security and legal frameworks.

Please check further details and register on www.r2sconference.eu for the large event, and on www.fi-Valencia.eu for the FIA event. We look forward to meeting you in Valencia!

CIP-PSP Community building event

At the FIA event in Valencia a brokering session for smart cities related CIP pilot proposals will be organized on the 14th April. The current ICT PSP Call for Proposals includes a new theme, entitled "Open Innovation for Future Internet-enabled services in 'smart' cities", of interest for the Future Internet and Living Labs. The Call will close on 1st June with a budget of 15 M€. Several Pilot B projects, based on networks of smart cities, are planned to be supported. To match proposals' needs with needed Future Internet technologies, mature for piloting, a brokering session will be held in Valencia on the afternoon of April 14. More information is available at <http://ec.europa.eu/livinglabs>, see: Highlights.

EU – Korea workshop in ICT Trust and Security

On 25 - 26th January 2010, an international workshop was held in Seoul, Korea with over 50 attendees from Korea and EU to enlighten mutually beneficial cooperative research challenges to ensure Trustworthy ICT, including trust, security, privacy and protection against cyber attacks.

The workshop was co-organised by the **INCO-TRUST** project, the Korea Institute of Information Security and Cryptology (**KIISC**), Korea Evaluation Institute of Industrial Technology (**KEIT**), Korea Radio Promotion Agency (**KORPA**), supported by European Commission DG INFSO **Unit F5, ICT Trust and Security Research** and sponsored by Ministry of Knowledge Economy (**MKE**). The full program, presentations and workshop report can be found [here](#). As mentioned in the previous newsletter, the **INCO-TRUST** project, in conjunction with Unit F5, Rutgers University and the National Science Foundation, will be organising their next International workshop for all involved countries in New York City in the United States on 4-5th May 2010. The themes of the workshop are Trustworthy International data transfer and Trust and Security models for the Future Internet. More information on the workshop will be available shortly [here](#).

The study "the Cloud: understanding the security, privacy and trust challenges"

Feedback

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Last year in June we have called for a tender on the above named study. The evaluation resulted in the awarding of the contract to a consortium led by RAND Europe Cambridge Ltd in partnership with Time.Lex and with University of Warwick as subcontractor (see: <http://ted.europa.eu/udl?uri=TED:NOTICE:28857-2010:TEXT:EN:HTML>)

The objective is to describe the security, privacy and trust issues in the cloud and to provide the analysis for mitigation of these issues based on technology, legislation and policy. This is to be done for the short term as well as for the longer term, and with specific attention to the European context.

The project kicked off on 25 November and the final report is expected end of November this year.

Second Annual Irish Future Internet Forum

The second annual *Irish Future Internet Forum* took place in Dublin, on December 3rd, 2009. This year the forum explored issues surrounding **Identity, Privacy, Security & Trust** in the Future Internet. The event provided an opportunity for lively discussion and debate on these various concepts, each of which must be addressed on the road to 'Trustworthy ICT'.

To provide a global perspective on these Future Internet issues, Jacques Bus, Jan Eloff, Jacir Luiz Bordim and Willie Donnelly, from the European Commission, South Africa, Brazil and Ireland, respectively, delivered keynote speeches. In addition, Irish funding agencies, *Science Foundation of Ireland (SFI)* and *Enterprise Ireland (EI)* offered insights into the Future Internet as a National Priority.

The *Think-Trust* project assisted in organising this event, with project partners chairing and leading a number of break-out sessions. The RISEPTIS Report "*Trust in the Information Society*" was presented to the Minister of R&D and discussed during the event, following a presentation of the RISEPTIS Recommendations by Jacques Bus.

Workshop on eID and forensics

On November 27, 2009 Unit F5 Trust and Security set up a workshop in Brussels on forensics and eID under the title "Privacy respecting Electronic Identity Management and Forensics". The workshop was set up jointly with the European Security Round Table (ESRT). The event brought together professionals from the forensics and law enforcement area with ICT security and eID experts in academia, industry and the public sector. The objectives of the workshop were to present the potential of available eID and privacy protection technology, to understand the requirements of forensics and law enforcement, to debate problems and avenues for possible solutions and to present methods, technologies and activities that can support privacy respecting eID, forensics and law enforcements. The workshop concluded that there are many issues related to eID and forensics that would need further refinement, discussion and action. A full report will be made available on the Trust and Security website in due course.

News from running projects

- FORWARD White book on emerging threats

The FORWARD project has presented its whitebook, a key result of the project. It contains detailed and concrete scenarios of how adversaries can leverage the emerging threats identified by the FORWARD project working groups to carry out their malicious actions. These scenarios illustrate future dangers and provide arguments to policy makers that are needed to support research in critical areas.

Click [here](#) to download the FORWARD whitebook.

Future Events

Future Internet PPP open constituency building event

12 March 2010

Nice, France

This open event will raise awareness among all interested stakeholders, about the concepts, focus, structure and implementation plans of the

Public-Private-Partnership.

FIA Valencia 2010

15-16 April 2010

Valencia, Spain

FIA'10 is positioned as "the" European Future Internet Research and Innovation conference. What makes it attractive is the mix of policy makers, industry and academia, debating research and innovation strategies and then best way forward for a stronger European position in Future Internet developments.

WCIT 2010

25-27 May 2010

Amsterdam, The Netherlands

The World Congress on Information Technology (WCIT) is the flagship event of the World Information Technology and Services Alliance (WITSA), a consortium of ICT trade associations around the globe, whose member companies comprise more than 90% of the global ICT market. Every two years WITSA awards the organization of WCIT to one of its members.

ICT Trust and Security Research in FP6:

<http://cordis.europa.eu/ist/trust-security/>

ICT Trust and Security Research in FP7:

http://cordis.europa.eu/fp7/ict/security/home_en.html