

# Trust & Security Newsletter

February 2011

The newsletter about Trust & Security in the Information Society

[http://cordis.europa.eu/fp7/ict/security/home\\_en.html](http://cordis.europa.eu/fp7/ict/security/home_en.html)



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## Newcomers

The DG INFSO Trust & Security Unit (INFSO-F5) welcomed two new members to its team: Inge Ceuppens and Vilija Juceviciene.

Inge Ceuppens used to work in the office of Director Mario Campolargo on issues of general interest for directorate F. Next to her role as project officer, she is the contact person for the development of pillar III workshops for the Digital Agenda Assembly. She is also involved with the consultation on the Green Paper on the Common Strategic Framework for EU Research and Innovation.

Vilija Juceviciene also joined the unit as Project Officer. She will coordinate the ICT FP7 Call 8 evaluations of objective 1.4 on Trustworthy ICT. She has previously worked as Project Officer with the EC in domains like ICT for Environmental Management, eHealth, ICT for SMEs and eGovernment (2005-2009). Before rejoining the Commission she was working as an ICT Project Manager in the Financial Sector in the UK.

## FIA Research roadmapping activity

The FIA Research Roadmapping Activity aims to deliver an integrated, comprehensive roadmap for the Future Internet. The roadmap will detail a vision for the Future Internet, namely, how it will integrate into the fabric of society to enable a whole range of new products, services and even business models, from around 2020 onwards. It will draw attention to research needs and challenges, and suggest potential avenues for investigation in order for these challenges to be addressed. In particular, the roadmap will bring together ideas from the Future Internet research community, including previous and ongoing European projects. The roadmap is expected to paint a vivid picture of the future, showing how various emerging internet technologies will shape the everyday lives of citizens. More information on the roadmapping activity, including a call for contributions, is available at: [http://fisa.future-internet.eu/index.php/FIA\\_Research\\_Roadmap](http://fisa.future-internet.eu/index.php/FIA_Research_Roadmap).

The EU Coordination Action effectsplus and the Future Internet Assembly (FIA) are developing a research roadmap for Trust and Security Research on the Future Internet. As part of this effort they are organising an Open Day / workshop on 31st March 2011. The workshop will also include the opportunity to review contributions received to date as well as to hear new contributions to be presented at the workshop.

Researchers working in the field of Future Internet are invited to contribute short position papers, to be presented at the workshop, with the intention that they will shape the content and impact of the roadmap.

The roadmap will be written at a sufficiently high level so as to shape the themes of Framework Programme 8, without favouring particular methods or tools. The roadmap targets research that will be carried out over the duration of Framework 8, 2014 to 2020 and beyond. However, the contributions we solicit will present a good future vision, recognition of major changes in the

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use and application of technology, recognition of significant obstacles and challenges, and potential solutions. For more information, visit <http://www.effectsplus.eu/fia-research-roadmapping-open-workshop/>.

## **Study "The Cloud: Understanding the Security, Privacy and Trust Challenges"**

A study on cloud security was prepared by RAND and Time.lex for DG INFSO. Its main purpose is to advise on policies and actions which should be considered to ensure that European users of Cloud environments are offered appropriate security levels and privacy protection.

Based on technological and legal issues identified through a literature review, cases studies and expert interviews, the study indicates important policy gaps in the areas of legislation, implementation, governance and research. Furthermore, case studies show that organisations are willing to experiment with cloud-based models, but relegate compliance and security issues to a secondary role.

The study provides recommendations aimed at addressing these challenges, which are articulated around four themes: compliance, accountability, transparency and governance. The study finally proposes a list of recommended actions to stakeholders best placed to address the gaps.

The full report will soon be available on Cordis:  
[http://cordis.europa.eu/fp7/ict/security/publications\\_en.html](http://cordis.europa.eu/fp7/ict/security/publications_en.html).

## **Green paper and consultation on R&I**

On 9 February the Commission adopted a Green Paper '*From Challenges to Opportunities: Towards a Common Strategic Framework for EU research and innovation funding*' (COM(2011)48). With this Green Paper, a public consultation is launched on the key issues to be taken into account for future EU research and innovation funding programmes. The outcome of the consultation will subsequently feed into the preparation of the Commission's formal proposals for these programmes, which are due to be adopted before the end of 2011.

The green paper and a questionnaire can be found on the consultation website: [http://ec.europa.eu/research/csfri/index\\_en.cfm](http://ec.europa.eu/research/csfri/index_en.cfm). Submissions can be made until 20 May 2011.

## **Future Internet PPP**

The Future Internet Public Private Partnership (FI-PPP) call closed on 2 December. The FI-PPP aims to advance Europe's competitiveness in Future Internet technologies and systems and to support the emergence of Future Internet-enhanced applications of public and societal relevance. The FI-PPP is based on a three-phase approach, of which this call was the first. The programme includes the creation of a platform to be developed for the support "use case scenarios". The programme and its projects are expected to kick off in April.

For more information on the FI-PPP, please visit [http://ec.europa.eu/information\\_society/activities/foi/lead/fipp/in dex\\_en.htm](http://ec.europa.eu/information_society/activities/foi/lead/fipp/in dex_en.htm).

## **EU-Brazil call**

The ICT – EU/Brazil coordinated call, published on 28 September 2010, invited proposals for Small and medium scale focused research projects (STREPs) in the objective *ICT-2011.10.1 EU-Brazil research and development cooperation*, which featured five topics:

- a) Microelectronics/Microsystems
- b) Networked monitoring and control systems
- c) Future Internet – experimental facilities
- d) Future internet – security
- e) e-Infrastructures

This Call is the first to jointly address ICT challenges of common interest and where cooperation is of mutual benefit with Brazil. The successful projects are expected to start on the 1st May 2011.

This e-newsletter is a supplement to the website for the domain of Trust and Security within the EU's 7<sup>th</sup> 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, multi-modal 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.

#### Feedback

All comments are welcome. Please send your comments to the editors.

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## Infoday Budapest

The European Commission organises the ICT Proposers' Day 2011 in Budapest, 19-20 May. This event is dedicated to networking and promoting research & development in the field of Information and Communication Technologies. If you would like to know more about the funding opportunities offered by the European Union in the field of ICT research & development, participating in Calls 8 and 9 of the FP7 ICT Work Programme (offering more than one billion euros of EU funding!), or you are looking for the right partners to form project consortia, then the ICT Proposers' Day 2011 in Budapest is the place to be!

The event will include a session dedicated to objective 1.4 - Trustworthy ICT, which provides an excellent networking opportunity if you are interested in doing EU funded research in:

- Heterogeneous networked, service and computing environments
- Trust, eIdentity and Privacy management infrastructures
- Data policy, governance and socio-economic ecosystems
- Networking and coordination activities

For more information, please visit

[http://ec.europa.eu/information\\_society/events/ictproposersday/2011/index\\_en.htm](http://ec.europa.eu/information_society/events/ictproposersday/2011/index_en.htm)

## ENISE - New Frontiers in Cyber-security

"New Frontiers in Cyber-security" was the theme of the fourth edition of ENISE, which took place on 26-28 October in León, Spain. Organized by INTECO (National Institute of Communication Technologies), ENISE has established itself as a reference event for the Spanish information security industry and public administrations.

Stakeholders attending this event included ENISA, the European Commission, the relevant Spanish Public Authorities working on security such as the National Cryptologic Centre (CCN), which is responsible for ensuring the security of the information technologies in all areas, the National Centre for the Protection of Critical Infrastructure (CNPIC) of the Secretariat of State for Security of the Ministry of Home Affairs and the Spanish Police Department responsible for the issuing of the electronic Identity Card (eDNI) and the main players in the ICT security sector (industry, R&D, public administrations, users, etc.), both in the EU and in Latin America.

On this occasion, with the motto "New Frontiers in Cyber-security" they conveyed two ideas: on one hand, expanding the concept of "cyber-security" and its place within a broader vision of security that includes all the aspects that a global view of security requires; on the other hand, the diversification of threats which compromise the security of all people and organizations, both public and private.

Within this context, each of the three days was covered a particular topic:

- The first day focused on National Security Strategies, from different perspectives including the secure provision of electronic public services to citizens and companies, the standardization, testing and certification of products (goods and services) and risk management issues.
- The second day dealt with cyber-security within the context of policies relating to Justice, Freedom and Security. From Spain, the "Strategic Plan for the Modernization of Justice: 2009-2012" was looked at in detail since Spain faces the challenge, among others, of achieving a justice system distinguished by its agility and reliability in all its proceedings.
- Finally, the third day was devoted to Digital Identity. Digital identity is a key element of the Digital Agenda for Europe that was launched by the European Commission, in part, with a view to achieving a dynamic digital single market. One of the legislative actions specified in this Agenda is the revision of the Directive on a Community framework for electronic signatures, with the aim of setting up a legal framework for cross-border recognition and interoperability of secure e-authentication systems. Likewise, new needs stemming from the increasing importance of mobility and cloud environments will also be addressed.

All presentations and videos from the event can be found on <http://www.webcastlive.es/4enise/>.

## FIA Ghent

The 6th Future Internet Assembly has taken place on 16th and 17th December in Ghent (Belgium), as part of the Future Internet Conference Week. A novelty of this edition was the demonstrations that were organised jointly with ServiceWave and FIRE.

Highly interesting topics, selected according to the suggestions given by the community, were discussed during the different sessions. Among them the Trust and Security area was well represented, with two dedicated sessions.

- The first one was entitled "Privacy and Citizenship"; addressing the relationships between the involved technologies and the relevant stakeholders (citizens) to ensure that privacy is addressed as fundamental to the Future Internet as an aspect of maintaining the digital rights, dignity and sovereignty of the citizen. The session was broken over two topics: User/Citizen issues related to privacy and Economics of privacy. The keynote speakers were Mr. Peter Hustinx (EDPS), Mr. Innocenzo Genna (EuroISPA) and Mr. Gabriel Yoran (aka-aki networks GmbH).
- The second session was entitled "Can the cloud be trusted?"; addressing trust and security in the context of cloud computing, since the cloud is one of the first available, commercialised and widely used manifestations of Future Internet principles that are being developed. The keynote speakers were Gregory Lopez (Thales), Volker Fusenig (Fraunhofer Institute) and Elmar Husmann (IBM).

The slides and full summary reports of these sessions can be found on the FIA Ghent website <http://fi-ghent.fi-week.eu/slides/>.

## News from projects

### - Effectplus clustering activities kick-off

The Effectplus Open Communications Workshop (<http://www.effectplus.eu/events/effectplus-open-communications-event/>) took place on February 1<sup>st</sup> 2011 in Brussels, with representatives from most of the trust and security projects.

Following an initial clustering analysis phase, Effectplus will start out with three main clusters, at their first clustering event on 29-30 March 2011, in Brussels (<http://www.effectplus.eu/2011/01/13/effectplus-1st-technical-cluster-meeting-2/>).

Two technical clusters are dedicated to Services and Clouds and Systems and Networks, while a third non-technical cluster will deal with Networking and Coordination.

A follow-up cluster meeting is also planned for July 2011. For more information on Effectplus' clustering activities, see <http://www.effectplus.eu/>.

### - CACE ends

At the end of the three-year STREP project on Computer Aided Cryptography Engineering (CACE) in December 2010 a toolbox supporting the production of high quality cryptographic software has been now developed. With a large number of publications and mainly publicly available deliverables, the CACE research results are now publicly accessible on <http://www.cace-project.eu> and will facilitate user access to better quality and more robust cryptographic software at lower cost.

### - AVANTSSAR ends

The three-year STREP project finished at the end of 2010. It developed technology for the formal specification and automated validation of Trust and Security of Service-oriented Architectures and automated it into an integrated toolset, with a large number of industrial case studies. In particular, Avantsar produced ASLan, the first formal language for specifying trust and security properties of services, as well as a validation platform, an automated toolset for validating trust and security aspects of service-oriented architectures. These outcomes are publicly available on <http://www.avantssar.eu>. A number of Avantsar's issues are now being further researched in the recently started SPaCIoS project (<http://www.spacios.eu>).

## **- INCO-Trust ends**

The Inco-Trust international cooperation project has successfully ended on 31 December 2010. The project aimed at fostering cooperation among the developed countries, on vision, challenges and research directions on trust, security and dependability. As part of its outcome, a recommendations report will be published soon. The INCO-Trust work and results will be built upon by the BIC project, which will extend international cooperation in the area of trust-worthy ICT to countries like Brazil, India and South Africa. For more information, please visit <http://www.inco-trust.eu/>.

## **Future Events**

### **Workshop on Cryptography and Security in Clouds**

15-16 March 2011

Zurich, Switzerland

The workshop brings together researchers and practitioners working in cryptography and security, from academia and industry, who are interested in the security of current and future cloud computing technology. The workshop considers the viewpoint of cloud-service providers as well as the concerns of cloud users. The goal is to create a dialogue about common goals and to discuss solutions for security problems in cloud computing, with emphasis on cryptographic methods.

<http://www.zurich.ibm.com/~cca/csc2011/>

### **DEMONS IPFIX Interoperability Event**

15-16 March 2011

Prague, Czech Republic

Trust and Security FP7 project DEMONS organises the IPFIX Interoperability Event, in cooperation with CESNET. The interoperability event gives developers and vendors of devices or systems which can export or collect flow data using the IPFIX Protocol a chance to test their devices against those of other developers and vendors.

<http://fp7-demons.eu/?p=164>

### **Effectsplus 1<sup>st</sup> technical cluster meeting**

29-30 March 2011

Brussels, Belgium

This meeting is the first official kick off of clustering activities, with active participation of trust and security project participants, to identify topics of interest, plan and start work on common collaborative cluster objectives. It seeks active contributions from Trust and Security attendees to the Trust & Security aspect of the FIA research Roadmapping activity.

<http://www.effectsplus.eu/2011/01/13/effectsplus-1st-technical-cluster-meeting-2/>

### **Future Internet Workshop on Research Roadmap for EU Framework Programme 8**

31 March 2011

Brussels, Belgium

The EU Coordination Action Effectsplus and the Future Internet Assembly (FIA) are developing a research roadmap for Trust and Security Research on the Future Internet. As part of this effort they are organising an Open Day / workshop on 31st March 2011. The workshop will also include the opportunity to review contributions received to date as well as to hear new contributions to be presented at the workshop.

<http://www.effectsplus.eu/fia-research-roadmapping-open-workshop/>

### **Digital Agenda Assembly**

16-17 June 2011

Brussels, Belgium

Your chance to influence policy-making related to ICT! The objective of the Digital Agenda Assembly (DAA) is to contribute to the goals and actions of the Digital Agenda for Europe (DAE). The event aims to take stock and assess progress building on the results of the DAE scoreboard. The event will also identify challenges that need to be addressed either at national level or at EU level. This should stimulate actions from the stakeholders in order to accelerate progress and meet challenges. The Commission runs this conference and counts on participation from institutions, industry and civil society.

[http://ec.europa.eu/information\\_society/digital-agenda/daa/](http://ec.europa.eu/information_society/digital-agenda/daa/)

**Syssec: Call for Papers, 1st SysSec Workshop**

6 July 2011

Amsterdam, The Netherlands

The Syssec workshop targets researchers from Europe and the rest of the World, with the short-term goal of creating a vigorous forum to map the systems security research area, with particular focus on European security communities. Furthermore it has launched a call for papers, deadline 19 March 2011.

<http://www.syssec-project.eu/events/1st-syssec-workshop/>

**BIOSIG event & call for papers**

8-9 September 2011

Darmstadt, Germany

The BIOSIG 2011 will present innovations and best practices that can be transferred into future applications. The conference is jointly organized by the Competence Center for Applied Security Technology (CAST), the German Federal Office for Information Security (BSI), the Joint Research Centre of the European Commission (JRC), the European Biometrics Forum (EBF), the TeleTrusT-Association, the Center for Advanced Security Research Darmstadt (CASED) and the special interest group BIOSIG of the Gesellschaft für Informatik e.V. (GI).

Stakeholders and technical experts from public administration, industry, science, and academia are invited to contribute via a call for papers. The deadline for submissions of papers is 15 May 2011.

<http://www.best-nw.eu/news/call-for-papers-2011.120.html>

**ICT Trust and Security Research in FP7:**

[http://cordis.europa.eu/fp7/ict/security/home\\_en.html](http://cordis.europa.eu/fp7/ict/security/home_en.html)

**Europe's Information Society thematic portal:**

[http://ec.europa.eu/information\\_society/newsroom/cf/news.cfm?redirection=1&item\\_type=news](http://ec.europa.eu/information_society/newsroom/cf/news.cfm?redirection=1&item_type=news)