ABC4EU

Automated Border Control Gates for Europe

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Presentation at the Information Systems Security Conference by UMIL

Professor Vincenzo Piuri from University of Milan, a consortium member of the ABC4EU project, held a speech together with his colleague Pierangela Samarati at the Eleventh International Conference on Information Systems Security (ICISS 2015) in December 2015 in Jadavpur University, Kolkata, India. The program covered various aspects of modern infrastructures for information systems, from the points of view of access control, data and information protection, privacy, information anonymity, system security, cryptography, and more.

Vincenzo Piuri presented the Biometric Technologies and Systems for Automated Border Control Gates, including overall structures and goals, image processing issues and techniques for biometrics, system challenges for usability and efficiency, privacy and security constraints, usability, contact-less and less-constrained biometric techniques, and multi-modal biometric approaches. Pierangela Samarati presented Data Security and Privacy in the Cloud, pointing out issues and trends of cloud computing as enabling technology and infrastructure which could be used in future biometric identification systems and could benefit from biometric technologies for user-friendly identification and continuous identification in access control.

The complexity of the modern applications, especially in cloud computing and mobile environments, requires both a high degree of protection in evolving scenarios and efficiency. This is to ensure protection quality without degrading the connection services. These issues have been discussed by the over 150 attendees in a very friendly environment, encompassing various people networking opportunities and discussions with world-renown experts. The technical program included: plenary key-note speeches on various aspects of data protection and access control as well as tutorials on cryptography, secure multiparty environments and security assurance and threats detection. The technical sessions on cryptography, cognitive networks, access control, attacks and mitigation, cloud security and biometrics were also popular.

All of the topics above attract an increasing interest around the world, especially in the design of advanced online applications. This including e-commerce, e-banking, and e-government systems. It is worth noting that the Indian industrial community and the press have shown special attention to such most recent advancement in these areas. These areas are considered essential to improve services in such a big and diverse country, including people with limited familiarity with Information and Communication Technology (ICT) systems.

New consortium member Atos

In the previous newsletter we talked about the new member Atos joining our consortium. Atos has recently been officially recognized as the new member hence, we would like to share some more information about the company.

Atos consists of Atos SE and Atos Research & Innovation. Atos is a leader in digital services with 93,000 employees in 72 countries. Serving a global client base, the company provides Consulting & Systems Integration services, Managed Services & BPO, Cloud operations, Big Data & Cyber-security solutions, as well as transactional services through Worldline, the European leader in the payments and transactional services industry.

With its deep technology expertise and industry knowledge, the company works with clients across different business sectors: defense, financial services, health, manufacturing, media, utilities, public sector, retail, telecommunications, and transportation. Atos is focused on business technology that powers progress and helps organizations to create their firm of the future. Atos operates under the brands Atos, Atos Consulting, Atos Worldgrid, Bull, Canopy, and Worldline.

Atos Research & Innovation (ARI) is the R&D hub for emerging technologies and a key reference for the whole Atos group. With more than 28 years of experience in running RDI projects, ARI is the R&D actor in the EU. Atos' multidisciplinary and multicultural team has the competences and experience to execute successful projects from scientific leadership to partnership coordination and management. ARI is active with R&I activities in the security sector, based on experience gained with clients that include national and regional security bodies, intelligence agencies, international bodies (UN, NATO and the EU) and also all types of organizations that address or deal with citizen safety, critical infrastructures, crisis management, crime fighting, law enforcement or border intelligence.

ABC4EU project benefits from ATOS

Atos offers the complete border control system, including all elements of the value-added chain: consulting, design, construction, maintenance and operation. Atos not only delivers its services as a technology provider: Working as prime contractor, the company can manage the entire solution deployment, ranging from the individual selection of subcontractors for specific tasks, right up to financial services including outsourcing options. Atos foresees to integrate ABC4EU technologies in Atos solutions in ABC and for our customers.

Key staff involved in the ABC4EU project from Atos are Mr. Alberto Crespo and Mr. Ross Little. Mr. Alberto Crespo is currently Head of Secure Identity Technologies Lab within Atos Research & Innovation, managing a multi-disciplinary information security research team which has been/is involved on several security-related national and European projects. Mr. Ross Little is senior researcher at Atos Research & Innovation, within the identity & privacy research laboratory.

Atos

Upcoming events:

Further Strengthening Your Borders
February 17th - 18th 2016, Rome, Italy
www.smi-online.co.uk/

9th International Conference on Bio-Inspired Systems and Signal Processing, February 20th - 23rd 2016, Rome, Italy
www.biosignals.biostec.org

High Security Printing, March 14th - 16th 2016, Bucharest, Romania
www.hsp-europe.com

CeBIT 2016 - Global Event for Digital Business. ABC4EU present.
14th - 18th March, Hannover Germany, www.cebit.de/home

Passenger Terminal Expo 2016 15th - 17th March 2016 Cologne, Germany
http://www.passengerterminal-expo.com

Security & Counter Terror Expo 2016 April 19th – 20th 2016, Olympia, London, United Kingdom
http://www.counterterrorexpo.com/page.cfm/link=1

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