



SECODIC 2016

Workshop on Secure
and Efficient Outsourcing of Storage
and Computation of Data in the Cloud

August 31, 2016 – Salzburg, Austria

Co-organized by EU - H2020



Save the date

SECODIC 2016 is co-organized by the EU-H2020 projects TREDISEC (*Trust-aware, REliable and Distributed Information SEcurity in the Cloud*) and WITDOM (*empowering privacy and security in non-trusted environments*). <https://www.ares-conference.eu/conference/ares-eu-symposium/secodic-2016/>

Keynote speaker



N. Asokan is a Professor of Computer Science at Aalto University.

Between 1995 and 2012, he worked in industrial research laboratories designing and building secure systems, first at the IBM Zurich Research Laboratory and then at Nokia Research Center. His primary research interest has been in applying cryptographic techniques to design secure protocols for distributed systems. Recently, he has also been investigating the use of Trusted Computing technologies for securing endnodes, and ways to make secure systems usable, especially in the context of mobile devices.

Asokan received his doctorate in Computer Science from the University of Waterloo, MS in Computer and Information Science from Syracuse University, and BTech (Hons.) in Computer Science and Engineering from the Indian Institute of Technology at Kharagpur. He is an ACM Distinguished Scientist and an IEEE Senior Member. For more information about Asokan's work see his website at <http://asokan.org/asokan/>

Agenda

10:30 – 11:00	Introduction
15 min	“Empowering privacy and security in non-trusted environments”: a WITDOM overview- Elsa Prieto (Atos)
15 min	“Trust-aware, reliable and distributed information security in the Cloud”: a TREDISEC Overview - Ghassan Karame (NEC)
11:00 - 11:30	Keynote by N. Asokan, “Securing Cloud-assisted Services”
11:30 – 12:00	Private and Secure Data Storage in the Cloud (I) , moderated by Eduarda Freire (IBM)
25 min	Eduarda Freire (IBM), talk on Data Masking
13:00 – 14:00	Private and Secure Data Storage in the Cloud (II)
25 min	Florian Thiemer (Franhoufer), talk on “Data Sharing in the cloud with Proxy-Re-Encryption and Malleable Signature”
25 min	Jose Ruiz (Atos), talk on “Data-centric security is the right approach for Digital Single Market”
10 min	Networking session with panellists.
15:15 – 16:45	Private and Secure Processing in the Cloud , moderated by Matthias Neugschwandtner (IBM),
25 min	Matthias Neugschwandtner (IBM), talk on “Challenges for Isolating Computational Resources in Cloud Software Stacks”
25 min	Sujoy Sinha Roy (Ku Leuven), talk on “Hardware Assisted Fully Homomorphic Function Evaluation”
25 min	Daniel Slamanig (Graz University), talk on “Malleable Cryptography for Security and Privacy in the Cloud”
15 min	Networking session with panellists.
17:00 -18:00	Integrity and Verifiability of Outsourced Data/Computation , moderated by Melek Önen (Eurecom)
25 min	Melek Önen (Eurecom), talk on “Verifiable Polynomial Evaluation & Matrix Multiplication”
25 min	James Alderman (Royal Holloway University of London), talk on “Verifiable searchable encryption”
10 min	Workshop wrap up