TRiALOG

CYBER SECURITY & PRIVACY

From project engineering

To institution practice

OUR AREAS OF EXPERTISE.

CONNECTED VEHICLES CYBER SECURITY

CAR-TO-CAR SECURE COMMUNICATION. SECURITY SUBSYSTEM FOR ON-BOARD UNITS AND ROAD-SIDE UNITS CONFORMING TO STANDARDS (ETSI 103 097, IEEE 1609.2). SUPPORT FOR CONFORMANCE TESTING.

CYBER SECURITY ENGINEERING

CYBERSECURITY ARCHITECTURE.
INTEGRATION OF CYBER SECURITY IN CYBER PHYSICAL SYSTEMS ENGINEERING.
INTEGRATION IN THE INTERNET OF THINGS.
INTEGRATION IN BIG DATA.

PRIVACY ENGINEERING

INTEGRATION OF EUROPE REGULATION (GDPR).
LIFE CYCLE ORIENTED METHODOLOGY FOR PRIVACY ENGINEERING.
PRIVACY IMPACT ASSESSMENT.
STANDARDISATION.

ANTONIO KUNG
CTO

" Cybersecurity and privacy are two major transversal concerns that must be addressed in parallel to any ICT undertaking (e.g. smart grid, intelligent transport…) as they will have a far reaching impact (1) on technology as the entire systems of system architecture might be at stake, (2) on engineering as many multidisciplinary concerns must be integrated and (3) on institutions which will have to integrate appropriate practices. "

TRIALOG

HERE ARE SOME OF OUR KEY

CYBER SECURITY & PRIVACY PROJECTS & PARTNERS

ISE.

Intelligent Transport Systems Security

The main objective of ISE is to implement the security management infrastructure for cooperative ITS systems. Trialog is providing the reference implementation of the security subsystem in an vehicle on-board unit and in a road-side unit, as well a validation and testing platform.

PRIPARE.

Integrating privacy-by- design

Trialog is the coordinator of the PRI-PARE support action, an European initiative to integrate privacy-by-design. The result is the PRIPARE Handbook, a set of methodological tools to implement privacy and foster compliance with the European new general data protection regulation.

Trialog will be the editor of a new ISO/IEC report on privacy engineering.

CTI.

Cybersecurity for Intelligent Transport

CTI undertakes industrial research in the three fields of application – automobile, rail and aeronautics, so as to transpose the most innovative and relevant good practices and IT solutions.

Trialog will contribute on the integration of security engineering into the domain specific engineering process, and on the definition of an integrated assurance approach.

CITIZEN APPROACH TO DATA.

Institutionalisation of privacy management in Smart Cities

Trialog is leading the Citizen approach to data initiative in the European Innovation Platform for Smart Cities and Communities (EIP-SCC) . The objective is to ensure the institutionalisation of the concepts of privacy in organisations making up a Smart City value chain. Trialog is organising a series of training and workshop to help define recommendations and roadmaps.