



Pierpaolo Cincilla

i 26 February 1981
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Skills

Team Working

Time Management

Leadership

Communication

Positivity

Computer Skills

Programming Languages: Java, c, bash

Java Technology: Junit, Spring, Maven

Tools: Jenkins, Redmine, Docker, K8s

Languages

Italian: Mother language

English: Fluent

French: Fluent

Education

- 2010-2014 Ph.D. in Computer Science INRIA/UPMC/LIP6, France
Adaptive Consistency for Large Scale Data Replication. Advisor: Marc Shapiro
- 2013 Internship NICTA, Sydney
Consumer-run operation of cloud platforms. Advisor: Alan Fekete
- 2005-2009 M.Sc. in Computer Science University of Bologna, Italy
Master thesis manuscript: *Geographic Clustering of Application Server* Supervisor: Fabio Panzieri
- 2006-2007 Erasmus Marne-la-Vallée University, France
- 2000-2005 B.Sc. in Computer Science University of Bologna, Italy
Bachelor thesis manuscript: *Comparison Between Technologies CORBA and Web Services.* Supervisor: Cosimo Laneve

Experience

- 2017- Project Manager IRT-SystemX
Lead of the Secure Cooperative Autonomous systems (SCA) research project at IRT-SystemX. 9 FTE per year for 3 years.
Project partners are car manufacturer (Renault, PSA), automotive supplier (Valeo), public transport operator (Transdev), Telecom ParisTech University and several SMBs. The project focuses on Intelligent Transport System (ITS) communication security, main topics are ITS Privacy, Misbehaviour Detection, E2E security for hybrid networks and crypto agility.
- 2014-2017 Research Engineer IRT-SystemX
Research Engineer on Intelligent Transport System Security and Vehicular Public Key Infrastructure (V-PKI) Scalability
I worked mainly in the V-PKI scalability bringing innovative solutions for the system geo-replication using eventual-consistency techniques. This work has been awarded by grants from both Amazon and Microsoft cloud divisions
- 2009-2011 Research Engineer INRIA
Designed and developed an innovative communication infrastructure for collaborative, nomadic applications (Telex)

Patents and Registered Software

- 2016 Patent: Pierpaolo Cincilla (unique inventor), 2017. Procédé d'encodage d'un ensemble de bits. French Patent 3050554, filed April, 21, 2016, and issued October 27, 2017
- 2016 APP registration Co-Developer, V-PKI: Vehicular Public Key Infrastructure
- 2016 APP registration Developer, AWS Large Scale V-PKI Deployment kit

Awards

- 2016 Microsoft Azure for Research Award (20,000\$).
- 2015 Amazon AWS Research Grant (5,000\$).
- 2013 SOSIP Student Grant (900\$).

Selected Publications

- 2018 CARSEM: A Cooperative Autonomous Road-vehicles Security Evaluation Methodology. ITS-WC (to appear)
- 2018 Feasibility Study of Misbehavior Detection Mechanisms in Cooperative Intelligent Transport Systems (C-ITS). VTC (to appear)
- 2017 An Overview of Security Ongoing Work in Cooperative ITS. ITS-EC
- 2016 Vehicular PKI Scalability-Consistency Trade-Offs in Large Scale Distributed Scenarios. VNC
- 2016 Cooperative ITS Security Framework: Standards and Implementations Progress in Europe. WoWMoM.
- 2015 C-ITS Architecture and Security Challenges: a Survey. ITS-WC.
- 2015 Light Blind: Why Encrypt If You Can Partition? SECRIPT