Eduardo Lostal Lanza

Personal Information

Name	*Lostal Lanza, Eduardo*
Title	*Informatics Engineer*
Birth Date	*17.07.1986*
Place of Birth	*Zaragoza, Aragón, Spain*
Nationality	*Spanish*
Webpage	http://www.elostal.com

University Education and Training

02/2010 - 9/2010 **M.Sc. Thesis: *Securing Multi-Application Smart Cards by Security-by-Contract*.**
Institution: Technical University of Denmark (DTU), Kgs. Lyngby, Denmark.
Supervisor: Nicola Dragoni.
Advisor: Javier Fabra.

10/2004 - 09/2010 **Informatics Engineering.**
Institution: University of Zaragoza.

09/2009 - 09/2010: Erasmus year abroad
- *Institution*: Technical University of Denmark (DTU), Kgs. Lyngby, Denmark.

Work Experience

3/2012 - 5/2012 **Technical Research Supporting Specialist.**
- *Institution*: Universitary Institute for Biocomputation and Physics of Complex Systems (BIFI), University of Zaragoza, Zaragoza, Spain.
- *Projects*: PireGrid, UE (Interreg IV A - Operative Program of Territorial Cooperation Spain France Andorra) Ref. EFA35/08; and SCI-BUS, FP7 Capacities Programme under contract RI-283481.
- *Taks*: Development of application management interfaces for distributed computation. Support in the migration of companies' applications to the grid and cloud environment.

3/2011 - 11/2011	**Research Fellow**, (Intellectual work service - Prestazione d'opera intellettuale).

- ○ *Institution*: Department of Information Engineering and Computer Science, University of Trento, Trento, Italy.
- ○ *Project*: SECURECHANGE (Security Engineering for Lifelong Evolvable Systems), EU-IST-FP7-IP-SECURECHANGE in which Gemalto was one of the partners.
- ○ *Taks*: Support in the design and implementation of the software deliverable for Security-by-Contract for smart-cards and embedded devices foreseen in Workpackage 6.

11/2010 - 02/2011	**Research Assistant**.

- ○ *Institution*: ESE section, DTU Informatics, Kgs. Lyngby, Denmark.
- ○ *Topic*: Securing Multi-Application Smart Cards by Security-by-Contract.
- ○ *Tasks*: Working on a research line with the M. Sc. Thesis as the starting point.

Research Projects

3/2012 - 5/2012	**PireGrid**, UE (Interreg IV A - Operative Program of Territorial Cooperation Spain France Andorra) Ref. EFA35/08.
3/2012 - 5/2012	**SCI-BUS**, FP7 Capacities Programme under contract RI-283481.
3/2011 - 11/2011	**EU-IST-FP7-IP-SECURECHANGE**, Security Engineering for Lifelong Evolvable Systems.

Research Interests

Security, cryptography and smart cards.
Grid and cloud computing.

Publications

Peer-Reviewed Papers

1   **Extended Abstract: Embeddable Security-by-Contract Verifier for Java Card**.
O. Gadyatskaya, E. Lostal and F. Massacci

To appear in the 7th Workshop on Bytecode Semantics, Verification, Analysis and Transformation (Bytecode 2012), Tallinn, Estonia, 2012, Springer-Verlag Heidelberg

2   **Load Time Security Verification**.
O. Gadyatskaya, E. Lostal and F. Massacci

To appear in Proceedings of the 7th International Conference on Information Systems Security (ICISS 2011), Kolkata, India, 2011, Springer in LNCS series

3   **SC^2: Secure Communication over Smart Cards - How to Secure Off-Card Matching in Security-by-Contract for Open Multi-Application Smart Cards**.
N. Dragoni, E. Lostal, D. Papini and J. Fabra

To appear in Post-Proceedings of the 4th International Workshop on Foundation & Practice of Security (FPS 2011), Paris, France, 2011, Springer in LNCS series

4 **Loading-Time Verification for Open Multi-Application Smart Cards**.

N. Dragoni, O. Gadyatskaya, F. Massacci, F. Paci and E. Lostal

In Proceedings of the IEEE International Symposium on Policies for Distributed Systems and Networks (POLICY 2011), Pisa, Italy, 2011, IEEE

5 **SC^2: a System to Secure Off-Card Contract-Policy Matching in Security-by-Contract for Open Multi-Application Smart Cards**, [Tool Demonstration].

N. Dragoni, E. Lostal, D. Papini

In Proceedings of the IEEE International Symposium on Policies for Distributed Systems and Networks (POLICY 2011), Pisa, Italy, 2011, IEEE

6 **Securing Off-Card Contract-Policy Matching in Security-By-Contract for Multi-Application Smart Cards**.

N. Dragoni and E. Lostal and D. Papini and J. Fabra

In Proceedings of the 4th International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies (UBICOMM 2010), Firenze, Italy, 2010, XPS

Non Peer-Reviewed Papers

7 **Load Time Security Verification: The Claim Checker**.

Technical Report DISI-11-471

Gadyatskaya, Olga and Lostal, Eduardo and Massacci, Fabio

Informatica e Studi Aziendali, University of Trento, Italy, 2011

8 **Securing Multi-Application Smart Cards by Security-by-Contract**.

[M.Sc. Thesis]

Supervisor: Nicola Dragoni / Advisor: Javier Fabra, DTU, Denmark, 2010

Languages

Spanish	**Mother Language**.
English	**Advanced knowledge**.
French/Italian	**Medium knowledge**.

Personal Skills

International mind set and predisposed to traveling. Open minded, hardworking and responsible. Got used to work in collaboration environments.

Extra Academic Involvement

2005-2009 **Malabarí**.
University leisure association where members learn to juggle by sharing acquired knowledge. Received a diploma granted by University of Zaragoza as a significant member.

since 2007 **Teatro Pingaliraina**.
Teatro Pingaliraina is a professional theater company. Temporary employee since 2007 onward in order to defray the own expenses during the university education.

Hobbies

Traveling and take advantage to discover new cultures and people. Live shows like concerts, theater performances where the artists are really close to the audience. Reading (not only papers).