

# RE-TRUST 2009

## Second International Workshop on Remote Entrusting

Call for Contributions and Participations

September 30 – October 1, 2009

Riva del Garda, Italy

<http://www.re-trust.org/>



### Aim and Scope

“Remote Entrusting” is a novel paradigm with the specific objective of ensuring that code running on an untrusted machine, is being executed in a trustworthy manner. In other words, the original code functionality (as originally specified and implemented) has not been modified prior to or during run-time. The assumption is the availability of a connection to trusted entities.

The workshop is organized by the RE-TRUST project (Remote Entrusting by RUN-time Software auThentication), funded by the European Commission, under the Future Emerging Technology (FET) program. See <http://www.re-trust.org/> for more details on previous workshops.

We intend to bring researchers together that are interested in the various topics that are related to the remote entrusting paradigm, for open discussions.

### Call for Contributions

RE-TRUST 2009 invites abstract and paper submissions on theory and techniques that are related to “Remote Entrusting”. We are seeking contributions that will stimulate the discussion in several different areas. Topics include, but are not limited to:

- Computing with encrypted functions and data
- Dynamic software updating
- Hardware assisted software obfuscation
- Leakage resilient cryptography
- Obfuscation metrics
- Remote software attestation
- Remote entrusting
- Self modifying code
- Software obfuscation techniques
- Software reverse engineering (and complexity)
- Tamper resistant software
- Trust mitigation
- Trusted Computing
- Usage of Lightweight hardware (Smart Cards and TPMs) for remote entrusting
- White-box cryptography

### Important Dates

Full paper submissions: July 15, 2009  
Paper notification date: August 14, 2009  
Abstract submissions: August 20, 2009  
Abstract notification: August 25, 2009

### Keynote

- TBD



Two types of submissions will be accepted:

- **full papers** – full papers are supposed to contain novel material and they will be subject to peer review by the program committee. In case of acceptance, they will appear in formal proceedings.
- **abstracts** – the main purpose of abstracts is to foster discussion and brainstorming on the workshop topics. They will be presented by authors but they will not appear in the proceedings.

More information and submission: <http://www.re-trust.org/>

## Workshop Chairs/Committee

### General Chair

- Yoram Ofek – University di Trento, Italy – ofek@disi.unitn.it

### Program Chairs

- Mariano Ceccato – FBK - Fondazione Bruno Kessler, Italy – ceccato@fbk.eu
- Stefano Di Carlo – Politecnico di Torino, Italy – stefano.dicarlo@polito.it
- Brecht Wyseur – Katholieke Universiteit Leuven, Belgium – brecht.wyseur@esat.kuleuven.be

### Program Committee

- Olivier Billet – Orange Labs, France
- Jan Cappaert – Katholieke Universiteit Leuven, Belgium
- Christian Collberg – University of Arizona, USA
- Bruno Crispo – University of Trento, Italy
- Vasily Desnitsky - SPIIRAS, Russia
- Paolo Falcarin – Politecnico di Torino, Italy
- Sebastian Faust – Katholieke Universiteit Leuven, Belgium
- Wulf Harder – Syncrosoft, Germany
- Amir Herzberg – Bar-Ilan University, Israel
- Dennis Hofheinz – CWI Amsterdam, The Netherlands
- Igor Kotenko – SPIIRAS, Russia
- Klaus Kursawe – Philips Research, The Netherlands
- Antonio Lioy – Politecnico di Torino, Italy
- Antonio Maña – University di Málaga, Spain
- Bart Preneel – Katholieke Universiteit Leuven, Belgium
- Dries Schellekens – Katholieke Universiteit Leuven, Belgium
- Haya Shulman - Bar-Ilan University, Israel
- Clark Thomborson - University of Auckland, New Zealand
- Paolo Tonella – Fondazione Bruno Kessler, Italy
- Martin Ward – De Montfort University & Software Migrations Ltd., UK
- Moti Yung – Google & Columbia University, USA
- Alessandro Zorat – University of Trento, Italy

## Venue

The workshop takes place at the northern shores of the idyllic Garda Lake (<http://www.gardalake.it>), in hotel 'Du Lac et Du Parc' (<http://www.dulacduparc.com>).



The workshop is open and registration should be completed on-line.

