

**SEVENTH FRAMEWORK PROGRAMME**  
**Challenge 1**  
**Information and Communication Technologies**



**Trusted Architecture for Securely Shared Services**

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## 1 Executive Summary

The 2 first years the project has produced over 25 scientific publications in the field of trust and digital identity which is already beyond the initial objectives of the project ("At least 10 published papers in relevant journals" by the end of the project). The first policy papers have been published, and they will be used as foundation for the continuation of the project beyond its financing.

## 2 Introduction

The purpose of this document is to list the publications related to scientific journals, books and conferences. For practical reason, it will also list the public interventions at meetings and conferences.

## 3 Journal Papers

1. David Chadwick, GansenZhao, Sassa Otenko, Romain Laborde, Linying Su and Tuan Anh Nguyen. "PERMIS: a modular authorization infrastructure". *Concurrency And Computation: Practice And Experience*. Volume 20, Issue 11, Pages 1341-1357, 10 August 2008. Online ISSN: 1532-0634. Print ISSN: 1532-0626. DOI: 10.1002/cpe.1313

## 4 Book Chapters

1. D.W.Chadwick. "Dynamic Delegation of Authority in Web Services" in "Securing Web Services: Practical Usage of Standards and Specifications". Edited by Dr Panayiotis Periorellis, Newcastle University. Idea Group Inc. 2008. pp111-137 ISBN 978-1-59904-639-6. Information about the book can be found at <http://www.igi-global.com/reference/details.asp?id=6976>
2. Ana Ferreira, Ricardo Cruz-Correia, Luís Antunes, David Chadwick. "Chapter III. Security of Electronic Medical Records" in "Handbook of Research on Distributed Medical Informatics and E-Health". Edited by: Athina A. Lazakidou and Konstantinos M. Siassiakos, University of Piraeus, Greece. Sept 2008. ISBN 978-1-60566-002-8
3. D.W.Chadwick. "What Are the Key Challenges in Distributed Security" LNCS Volume 5094/2008. ISBN 978-3-540-70566-6. DOI 10.1007/978-3-540-70567-3\_17 Pages 219-221. Conference: Data and Applications Security XXII (DBSec08)
4. Serge Ravet, "ePortfoio interoperability revised", StudienVerlag,

## 5 Refereed Conferences

1. Ingo Dahn (2008) "Using Fedora in the European Project TAS<sup>3</sup> to Handle Person-Related Information". In: Third International Conference on Open Repositories 2008, 1-4 April 2008, Southampton, United Kingdom.
2. Philip Inglesant, M. Angela Sasse, David Chadwick, Lei Lei Shi. "Expressions of Expertness: The Virtuous Circle of Natural Language for Access Control Policy Specification". Symposium On Usable Privacy and Security (SOUPS), July 23-25, 2008, Pittsburgh, PA. **BEST PAPER AWARD**

3. Dmitry Bragin, David Chadwick. "Problems with Using W3C XML schema for validating XML based security policies". 10th Annual Conference On World Wide Web Applications: Cape Town, South Africa. 3-5 September 2008.
4. Ana Ferreira, Ricardo Correia, David Chadwick, Luis Antunes. "Improving the Implementation of Access Control to Electronic Medical Records", Proc 42nd IEEE International Carnahan Conference on Security Technology, Prague, Czech Republic, October 13 to 16, 2008. pp 47-50.
5. David W Chadwick, Stijn F. Lievens. "Enforcing "Sticky" Security Policies throughout a Distributed Application". MidSec 2008. December 1-5, 2008, Leuven, Belgium
6. A. Bertolino, G. De Angelis, F. Lonetti, A. Sabetta "Let The Puppets Move! Automated Testbed Generation for Service-oriented Mobile Applications", in *Proc. of 34th EUROMICRO Conference on Software Engineering and Advanced Applications (SEAA 2008)*, September 3-5, Parma, Italy ,IEEE Computer Society, 2008, pp. 11-19 .
7. A. Bertolino, E. Cartaxo, P. Machado, E. Marchetti "Weighting Influence of User Behavior in Software Validation", in *Proc of 1st International Workshop on Computer Users' Behaviour (CUB08) in conjunction with the 19th International Conference on Database and Expert Systems Applications - DEXA'08, September 1-5, Torino – 2008*, IEEE Computer Society, pp. 495- 500.
8. F. Corradini, F. Angelis, A. Polini, A. Polzonetti, "Improving Trust in Composite eServices Via Run-Time Participants Testing". In *Proceedings of the 7th international Conference on Electronic Government* (Turin, Italy, August 31 - September 05, 2008). M. A. Wimmer, H. J. Scholl, and E. Ferro, Eds., LNCS 5184. Springer-Verlag, Berlin, Heidelberg, 279-290.
9. A. Bertolino, G. De Angelis, A. Sabetta "VCR: Virtual Capture and Replay for Performance Testing", in *Proc. of The International Conference on Automated Software Engineering (ASE 2008)*, Sept 15-19, L'Aquila, Italy, IEEE Computer Society , 2008, pp.50-54.
10. A. Bertolino, G. De Angelis, A. Di Marco, P. Inverardi, A. Sabetta, M. Tivoli, "A Framework for Analyzing and Testing the Performance of Software Services", in *Proc. of 3rd International Symposium on Leveraging Applications of Formal Methods, Verification and Validation (ISOLA 2008), 13-15 October 2008 - Porto Sani (Kassandra, Chalkidiki) – Greece*.
11. Andrea Polini, Flavio Corradini, Francesco De Angelis, Alberto Polzonetti Seventh international EGOV conference 2008, Torino (Italy), August 31 - September 5, 2008 <http://www.uni-koblenz.de/FB4/Institutes/IWVI/AGVInf/Conferences/EGOV08>
12. Alessandro Sorniotti, Refik Molva, "A Provably Secure Secret Handshake with Dynamic Controlled Matching", to appear in the 24th International Information Security Conference (IFIP SEC 2009)
13. Florian Kerschbaum, Alessandro Sorniotti, "RFID-Based Supply Chain Partner Authentication and Key Agreement", to appear in the 2nd ACM Conference on Wireless Network Security (WiSec 2009)
14. Thomas Kirkham, Ingo Dahn, David Chadwick, Marc Santos, Sandra Winfield, "Aggregating policies in user centric, real-time and distributed applications", The 4th International Conference for Internet Technology and Secured Transactions (ICITST-2009) November 9-12, 2009, London, UK

15. Tom Kirkham, Sandra Winfield, Marc Santos, “Developing user centered management of personal data in a distributed student placement application”.Fifth International Summer School organised jointly by the PrimeLife EU project, in cooperation with the IFIP WG 9.2, 9.6/11.7 11.4, 11.6., Privacy and Identity Management for Life, Nice, France, 7th – 11th September 2009
16. Dr. Peter Ferdinand, Andreas Kiefel, Michael Kutscher, Marc Santos, “Accomplishing Privacy and Security requirements in ROLE with TAS3 findings”, Stellar Alpine Rendez-vous, November 30 - December 3, 2009, Garmisch-Partenkirchen, Germany.
17. Antonia Bertolino, “On-line Validation of Service Oriented Systems in the European Project TAS3”, Paper presented at the International Workshop PESOS 2009, 2009-05-18, Vancouver, Canada
18. Antonia Bertolino, “SOA Test Governance: Enabling Service Integration Testing across Organization and Technology Borders”, Keynote presentation given at 1st International Workshop on Web Testing, 2009-04-04, Denver, Colorado – USA
19. Antonia Bertolino, “WS-TAXI: a WSDL-based testing tool for Web Services”, Paper presented at the 2nd International Conference on Software Testing, Verification, and Validation ICST 2009, 2009-04-01, Denver, Colorado - USA
20. Antonia Bertolino, “Automated Testing of Healthcare Document Transformations”, Paper presented at the 31st International Conference on Software Engineering, ICSE 2009, 2009-05-18, Vancouver, Canada
21. Antonia Bertolino, “Approaches to testing service-oriented software systems”, Keynote presentation given at the ACM 1st international workshop on Quality of service-oriented software systems, Quasoss 2009, 2009-08-25, Amsterdam, The Netherlands
22. Antonia Bertolino, “Whitening SOA Testing”, Paper presented at the 7th joint meeting of the European Software Engineering Conference (ESEC) and the ACM SIGSOFT Symposium on the Foundations of Software Engineering (FSE), 2009-08-26, Amsterdam, The Netherlands

## **6 Policy papers**

1. The Internet of Subjects Manifesto, Serge Ravet,  
[http://docs.google.com/View?id=dg6j3gfd\\_51gwkdqdr](http://docs.google.com/View?id=dg6j3gfd_51gwkdqdr)
2. What is the Problem, Serge Ravet [http://docs.google.com/View?id=dg6j3gfd\\_50hq2m29gc](http://docs.google.com/View?id=dg6j3gfd_50hq2m29gc)

## Document Control

### Amendment History

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