

CURRICULUM VITAE ET STUDIORUM

DI

ALESSANDRO ALDINI

DATI PERSONALI

Affiliazione Università di Urbino Carlo Bo, Dipartimento di Scienze Pure e Applicate
Sezione di Scienze e Tecnologie dell'Informazione
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TITOLI DI STUDIO

Mar 2003 Dottorato di Ricerca in Informatica conseguito in data 03/03/03 presso il consorzio costituito dalle Università degli Studi di Bologna, Padova e Venezia.
Titolo tesi: *Security and Performance Analyses in Distributed Systems*.
Supervisore: Prof. Roberto Gorrieri. Coordinatore: Prof. Özalp Babaoglu.

Ott 1998 Laurea in Scienze dell'Informazione conseguita in data 15/10/98 presso l'Università degli Studi di Bologna, sede di Cesena. Voto: 110/110 e lode.
Titolo tesi: *Analisi funzionale e prestazionale di switch ATM*.
Relatore: Prof. Roberto Gorrieri. Voto di Laurea: 110/110 e lode.

Lug 1992 Diploma di Ragioniere Programmatore conseguito presso l'Istituto Tecnico Commerciale Statale Carlo Matteucci di Forlì. Voto di Maturità: 60/60.

ATTIVITÀ PROFESSIONALE

Mar 2015 Professore associato – area 01/B1 (ssd INF-01 *Informatica*) – Università di Urbino Carlo Bo.

Nov 2002 Ricercatore a tempo indeterminato – area 01/B1 (ssd INF-01 *Informatica*) – Università di Urbino Carlo Bo. Confermato in ruolo con decorrenza 01/11/05.

ARGOMENTI DI RICERCA

L'attività di ricerca svolta ha come obiettivo generale lo sviluppo e l'uso di metodologie formali per la progettazione e verifica di sistemi di calcolo, di comunicazione e architetture software. Più precisamente, gli argomenti oggetto di ricerca includono:

- Semantica dei linguaggi di programmazione, teoria della concorrenza.
- Algebre di processi nondeterministiche, probabilistiche e temporizzate.
- Equivalenze comportamentali, equivalence checking, e tecniche di approssimazione.
- Logiche temporali e probabilistiche, model checking.
- Analisi prestazionale di sistemi software tramite modelli basati su catene di Markov.
- Analisi di proprietà di affidabilità e sicurezza di sistemi software.
- Analisi di noninterferenza dei flussi di informazione.
- Analisi di tradeoff tra profilo prestazionale e requisiti di dependability.

- Tecniche di modellazione di architetture software orientate alle componenti.
- Modellazione, progettazione e verifica di sistemi di trust, privacy e reputazione.
- Interpretazione ed implicazioni della Tesi di Church-Turing.

PROGETTI DI RICERCA E COLLABORAZIONI SCIENTIFICHE

- 2017-2019** Coordinatore progetto finanziato dal Dipartimento di Scienze Pure e Applicate della Università di Urbino *“Metodologie di analisi di modelli formali per la rappresentazione e verifica di sistemi complessi.”*
- 2016-2017** Coordinatore ricerca scientifica progetto POR-FESR 2014-2020 Asse 1 Ricerca e Innovazione Regione Emilia-Romagna (Bando per progetti collaborativi di ricerca e sviluppo delle imprese - Azienda partecipante: Photosi spa).
- 2015-2017** Coordinatore progetto finanziato dal Dipartimento di Scienze Pure e Applicate della Università di Urbino *“Modelli formali per sistemi complessi: semantica, proprietà, e tecniche di verifica.”*
- 2015** Collaboratore di ricerca per Université de Genève (periodo 01/03/15 - 31/05/15) nell’ambito del progetto FP7 MUSES: Corporate security with the user at heart.
- 2013-2016** Membro del progetto nazionale PRIN finanziato MIUR *“Composizionalità, Interazione, Negoziazione, Autonomia per la Società ICT Futura”* (CINA).
- 2010-2013** Membro del progetto internazionale IST finanziato dall’UE *“User-centric Wireless Local Loop”* (ULOOP).
- 2009-2010** Membro del progetto nazionale PRIN finanziato dal Ministero dell’Università e Ricerca *“Performability-Aware Computing: Logiche, Modelli e Linguaggi”* (PaCo).
- 2005-2009** Membro del progetto internazionale IST finanziato dall’UE *“Software Engineering for Service-Oriented Overlay Computers”* (SENSORIA).
- 2004-2005** Membro del progetto regionale CIPE finanziato dalla Regione Marche *“Metodologie di Sviluppo e Verifica di Applicazioni Distribuite su Terminali Mobili Wireless”*.
- 2002-2003** Membro del progetto nazionale PRIN finanziato dal Ministero dell’Università e Ricerca *“Metodi formali per la sicurezza e il tempo”* (MEFISTO).
- 2001** Titolare di un progetto finanziato dal *Progetto Giovani Ricercatori* (Bando e.f. 2000, circ. prot. n. 26075 del 15 Novembre 2001). Titolo del progetto: *“Sviluppo di Applicazioni Software Sicure su Internet”*.
- 2000** Titolare di un progetto finanziato dal *Progetto Giovani Ricercatori* (Bando e.f. 1999, circ. prot. n. 2531 del 6 Febbraio 2001). Titolo del progetto: *“Integrazione di Qualità del Servizio e Sicurezza in Applicazioni Real Time su Internet”*.

ALTRE ATTIVITÀ SCIENTIFICHE

Membro di associazioni scientifiche

- IFIP (International Federation for Information Processing) TC11 (Security and Privacy Protection in Information Processing Systems) Working Group 11.14 on Secure Engineering.
- Commission for the History and Philosophy of Computing (Inter-division Commission of the Division of the History of Science and Technology and the Division of Logic, Methodology and Philosophy of Science and Technology), International Council for Science (ICSU).

Chair per eventi scientifici

1. 16th International Workshop on Quantitative Aspects of Programming Languages and Systems (QAPL 2019), Prague, Czech Republic.
2. 19th Italian Conference on Theoretical Computer Science (ICTCS 2018), Urbino, Italy.
3. International Workshop on Behavioral Analysis for System Security (BASS 2018), Porto, Portugal.
4. 6th International Workshop on Quantitative Aspects of Security Assurance (QASA 2017), Oslo, Norway.
5. 5th International Workshop on Quantitative Aspects of Security Assurance (QASA 2016), Heraklion, Crete.
6. 4th International Workshop on Quantitative Aspects of Security Assurance (QASA 2015), Vienna, Austria.
7. 3rd International Workshop on Quantitative Aspects in Security Assurance (QASA 2014), Wroclaw, Poland.
8. 7th European Performance Engineering Workshop (EPEW 2010), Bertinoro, Italia.
9. 3rd International Workshop on Views On Designing Complex Architectures (VODCA 2008), Bertinoro, Italia.
10. 6th International Workshop on Quantitative Aspects of Programming Languages (QAPL 2008), Budapest, Hungary.
11. 5th International Workshop on Quantitative Aspects of Programming Languages (QAPL 2007), Braga, Portugal.

Altre attività per eventi scientifici

- Membro del comitato scientifico e responsabile della organizzazione della International School on Foundations of Security Analysis and Design (FOSAD, <http://www.sti.uniurb.it/events/fosad/>), che si svolge annualmente a Bertinoro, Italia.
- Membro dal 2006 dello Steering Committee dell'International Workshop on Quantitative Aspects of Programming Languages (QAPL).
- Membro del Program Committee di 39 eventi scientifici (conferenze, workshop, summerschools) di livello internazionale.

Attività di revisore esterno

- Habilitation à Diriger des Recherches (HDR) per la Ecole Doctorale Sciences du Numérique et de l'Ingénieur della Université de Reims Champagne-Ardenne.
- Free Competition Grant, Netherlands Organisation for Scientific Research (NWO).

- Bandi di Ateneo per ricerca di base e assegni di ricerca per diverse Università Italiane.
- Tesi di dottorato (Università di Verona e Università Politecnica delle Marche).
- 27 riviste scientifiche internazionali.
- 34 conferenze internazionali.
- Casa editrice McGraw-Hill.

Presentazioni e invited talk

- Relatore in 27 convegni internazionali.
- Seminari invitati presso Università e Centri di Ricerca italiani e stranieri (Technische Universität Darmstadt, State University of New York, CNR-IIT Pisa, Università di Verona, Bologna, L'Aquila).
- 4 cicli di seminari per Corsi di Dottorato.
- Invited speaker per eventi scientifici internazionali (Dagstuhl Seminars e summerschool FOSAD).

SERVIZI PRESTATI PRESSO UNIURB _____

Servizi attualmente in corso

- Delegato del Rettore per Tirocini Formativi e Placement.
- Membro della Commissione per il Territorio.
- Membro della Commissione Offerta Formativa e del Gruppo AQ-Didattica del Dipartimento di Scienze Pure e Applicate.
- Vice Presidente della Scuola di Scienze, Tecnologie e Filosofia dell'Informazione.
- Referente coordinatore del Corso di Laurea triennale in Informatica Applicata e membro del gruppo AQ e Riesame del CdL.
- Responsabile Tirocini e Job Placement, Formazione a Distanza, Piano Lauree Scientifiche, Servizi Web, per il Corso di Laurea triennale in Informatica Applicata.
- Membro del collegio docenti del Dottorato in Scienze di Base e Applicazioni (supervisore di due tesi di dottorato).

Corsi attualmente tenuti come docente titolare

- Linguaggi di Programmazione e Verifica del Software (Informatica Applicata, 12 CFU, III anno).
- Informatica (Conservazione e Restauro dei Beni Culturali, 6 CFU, I anno).

Servizi terminati

- Presidente della Scuola di Scienze, Tecnologie e Filosofia dell'Informazione (2016-2018).
- Responsabile Borse di Studio e Programmi di Mobilità per il Corso di Laurea triennale in Informatica Applicata (2006-2018).
- Membro della Commissione Monitoraggio e Valutazione ex post (2016-2017).

- Membro del gruppo di lavoro di Ateneo per la scelta e gestione dei prodotti della ricerca in relazione alla VQR 2011-2014.
- Membro Commissione Paritetica Docenti-Studenti del Dipartimento di Scienze di Base e Fondamenti (2012-2015).
- Membro della Commissione Riordino Offerta Formativa della Facoltà di Scienze e Tecnologie (2010-2013).
- Membro della Commissione Tirocini e Stage della Facoltà di Scienze e Tecnologie, ex Scienze MM.FF.NN. (2002-2013).

Corsi terminati tenuti come docente titolare

- Modellazione e Verifica di Sistemi Software (2013-2016), Linguaggi di Programmazione e Compilatori (2011-2012), Basi di Dati e Sistemi Informativi (2003-2010), Logica Matematica (2005-2007).

TERZA MISSIONE

- Responsabile di convenzioni conto terzi per un totale di 38000 euro.
- Tutor didattico per apprendistato di alta formazione e di ricerca del Programma Formazione e Innovazione per l'Occupazione (FIxO).
- Tutor didattico per progetto *Orientagiovani: Learning by Doing* di Confindustria Marche.

Articoli su riviste internazionali

- [1] R. Casadei, A. Aldini, M. Viroli. “Towards attack-resistant Aggregate Computing using trust mechanisms”. Science of Computer Programming 167, pp. 114–137, Elsevier, December 2018.
- [2] A. Aldini. “Design and Verification of Trusted Collective Adaptive Systems”. Transactions on Modeling and Computer Simulation 28(2) Article 9, ACM Press, February 2018.
- [3] A. Aldini, J.-M. Seigneur, C. Ballester Lafuente, X. Titi, J. Guislain. “Design and Validation of a Trust-based Opportunity-enabled Risk Management System”. Information and Computer Security, vol. 25 n. 1, pp. 2–25, Emerald, March 2017.
- [4] A. Aldini. “Modeling and Verification of Trust and Reputation Systems”. Security and Communication Networks, vol. 8 n. 16, pp. 2933–2946, Wiley, October 2015.
- [5] A. Aldini, F. Martinelli, A. Saracino, D. Sgandurra. “Detection of Repackaged Mobile Applications through a Collaborative Approach”. Concurrency and Computation: Practice and Experience, vol. 27 n. 11, pp. 2818–2838, Wiley, August 2015.
- [6] A. Aldini. “A Framework Balancing Privacy and Cooperation Incentives in User-Centric Networks”. International Journal On Advances in Security, vol. 8 n. 1&2, pp. 16–27, June 2015.
- [7] A. Aldini. “Formal Approach to Design and Automatic Verification of Cooperation-Based Networks”. International Journal On Advances in Internet Technology, vol. 6 n. 1&2, pp. 42–56, June 2013.
- [8] A. Aldini. “Approximating Markovian Testing Equivalence”. Theoretical Computer Science 413(1):73–86 (Elsevier) January 2012.
- [9] A. Aldini, M. Bernardo. “Component-Oriented Verification of Noninterference”. Journal of Systems Architecture 57:282–293 (Elsevier) March 2011.
- [10] M. Bernardo, E. Bontà, A. Aldini. “Handling Communications in Process Algebraic Architectural Description Languages: Modeling, Verification, and Implementation”. International Journal of Systems and Software 83(8):1404–1429 (Elsevier) August 2010.
- [11] A. Aldini, A. Di Pierro. “Estimating the Maximum Information Leakage”. International Journal of Information Security 7(3):219–242 (Springer) June 2008.
- [12] A. Aldini, M. Bernardo. “Mixing Logics and Rewards for the Component-Oriented Specification of Performance Measures”. Theoretical Computer Science 382(1):3–23 (Elsevier) August 2007.
- [13] A. Aldini, M. Bernardo. “A Formal Approach to the Integrated Analysis of Security and QoS”. Reliability Engineering & System Safety 92:1503–1520 (Elsevier) November 2007.
- [14] A. Aldini. “Classification of Security Properties in a Linda-like Process Algebra”. Science of Computer Programming, Special Issue on Security Issues in Coordination Models, Languages and Systems 63(1):16–38 (Elsevier) November 2006.
- [15] A. Aldini, M. Bernardo. “On the Usability of Process Algebra: An Architectural View”. Theoretical Computer Science 335(2-3):281–329 (Elsevier) May 2005.
- [16] A. Aldini, M. Bravetti, R. Gorrieri. “A Process-algebraic Approach for the Analysis of Probabilistic Non-interference”. International Journal of Computer Security 12(2):191–245 (IOS Press) March 2004.
- [17] M. Rocchetti, A. Aldini, M. Bernardo, R. Gorrieri. “QoS Evaluation of IP Telephony Services: A Specification Language based Simulation Software Tool”. International Journal of Systems Analysis Modelling Simulation 43(12):1747–1759 (Taylor & Francis Group) December 2003.
- [18] A. Aldini, M. Rocchetti, R. Gorrieri. “On Securing Real Time Speech Transmission over the Internet: An Experimental Study”. EURASIP Journal on Applied Signal Processing, Special Issue on Digital Audio for Multimedia Communications, 2003(10):1027–1042 (Hindawi Publishing Corporation) September 2003.
- [19] A. Aldini, A. Amoroso, M. Rocchetti. “A Secure Protocol for Voice-Operated E-Commerce Systems over IP Networks”. International Journal of Pure and Applied Mathematics 4(2):121–142 (Academic Publications) January 2003.
- [20] M. Bravetti, A. Aldini. “Discrete Time Generative-Reactive Probabilistic Processes with Different Advancing Speeds”. Theoretical Computer Science 290(1):355–406 (Elsevier) January 2003.
- [21] A. Aldini, M. Bernardo, R. Gorrieri, M. Rocchetti. “Comparing the QoS of Internet Audio Mechanisms via Formal Methods”. Transactions on Modeling and Computer Simulation 11(1):1–42 (ACM Press) January 2001.

Articoli su riviste nazionali

- [22] A. Aldini. “Teoria degli Automi per Linguaggi Formali”. APhEx, vol. 9, (ISSN:2036-9972), Gennaio 2014.

Libri

- [23] A. Aldini, M. Bernardo, F. Corradini. A Process Algebraic Approach to Software Architecture Design. ISBN: 978-1-84800-222-7. Springer, 2010.

Curatore di pubblicazioni scientifiche

- [24] A. Aldini, M. Bernardo (editors). “Proceedings of the 19th Italian Conference on Theoretical Computer Science (ICTCS 2018)”. CEUR-WS Vol-2243, November 2018.
- [25] G. Livraga, V. Torra, A. Aldini, F. Martinelli, N. Suri (editors). “Data Privacy Management, and Security Assurance”. Proceedings of DPM and QASA 2016, LNCS 9963, Springer, September 2016.
- [26] A. Aldini, J. Lopez, F. Martinelli (editors). “Foundations of Security Analysis and Design VIII”. LNCS 9808, Springer, August 2016.
- [27] J. Garcia-Alfaro, G. Navarro-Arribas, A. Aldini, F. Martinelli, N. Suri (editors). “Data Privacy Management, and Security Assurance”. DPM and QASA 2015 Revised Selected Papers, LNCS 9481, Springer, March 2016.
- [28] A. Aldini, F. Martinelli, N. Suri (editors). “Quantitative Aspects of Security Assurance”. Special Issue of the International Journal of Secure Software Engineering (IJSSE), Vol. 6(2), IGI Global, April-June 2015.
- [29] J. Garcia-Alfaro, J. Herrera-Joancomartí, E. Lupu, J. Posegga, A. Aldini, F. Martinelli, N. Suri (editors). “Data Privacy Management, Autonomous Spontaneous Security, and Security Assurance”. DPM, SETOP, and QASA 2014 Revised Selected Papers, LNCS 8872, Springer, March 2015.
- [30] A. Aldini, J. Lopez, F. Martinelli (editors). “Foundations of Security Analysis and Design VII”. LNCS 8604, Springer, July 2014.
- [31] A. Aldini and A. Bogliolo (editors). “User-Centric Networking – Future Perspectives”. Lecture Notes in Social Networks, Springer, May 2014.
- [32] A. Aldini and R. Gorrieri (editors). “Foundations of Security Analysis and Design VI”. LNCS 6858, Springer, August 2011.
- [33] A. Aldini, M. Bernardo, L. Bononi, V. Cortellessa (editors). “Computer Performance Engineering”. Proceedings of the 7th European Performance Engineering Workshop (EPEW 2010, Bertinoro, Italy), LNCS 6342, Springer, September 2010.
- [34] A. Aldini, M. Bernardo, A. Di Pierro, H. Wiklicky (editors). “Formal Methods for Quantitative Aspects of Programming Languages”. LNCS 6154, Springer, June 2010.
- [35] A. Aldini, G. Barthe, R. Gorrieri (editors). “Foundations of Security Analysis and Design V”. LNCS 5705, Springer, September 2009.
- [36] A. Aldini, M. ter Beek, F. Gadducci (editors). Proceedings of the 3rd International Workshop on Views On Designing Complex Architectures (VODCA 2008, Bertinoro, Italy). ENTCS 236:1–184, Elsevier, April 2009.
- [37] A. Aldini, C. Baier (editors). Proceedings of the Sixth Workshop on Quantitative Aspects of Programming Languages (QAPL 2008, Budapest, Hungary). ENTCS 220(3):1–198, Elsevier, December 2008.
- [38] A. Aldini, F. van Breugel (editors). Proceedings of the Fifth Workshop on Quantitative Aspects of Programming Languages (QAPL 2007, Braga, Portugal). ENTCS 190(3):1–204, Elsevier, September 2007.
- [39] A. Aldini, R. Gorrieri (editors). “Foundations of Security Analysis and Design IV”. LNCS 4677, Springer, September 2007.
- [40] A. Aldini, R. Gorrieri, F. Martinelli (editors). “Foundations of Security Analysis and Design III”. LNCS 3655, Springer, September 2005.

Contributi su invito

- [41] A. Aldini, V. Fano, P. Graziani. “*Alcune Note sui Teoremi di Incompletezza di Gödel e la Conoscenza delle Macchine*”. *Compter Parler Soigner - Tra linguistica e intelligenza artificiale - Atti*, E. M. Ponti e M. Budassi, eds., pp. 93–113, Pavia University Press, July 2016.
- [42] A. Acquaviva, A. Aldini, M. Bernardo, A. Bogliolo, E. Bontà, E. Lattanzi. “*A Methodology Based on Formal Methods for Predicting the Impact of Dynamic Power Management*”. *Formal Methods for Mobile Computing*, M. Bernardo and A. Bogliolo, eds., LNCS 3465:155–189, Springer, April 2005.
- [43] A. Aldini, M. Bravetti, A. Di Pierro, R. Gorrieri, C. Hankin, H. Wiklicky. “*Two Formal Approaches for Approximating Noninterference Properties*”. *Foundations of Security Analysis and Design II*, R. Focardi and R. Gorrieri, eds., LNCS 2946:1–43, Springer, January 2004.

Contributi con peer-review

- [44] M. Tagliaferri, A. Aldini. “*A Trust Logic for Pre-Trust Computations*”. *Procs. of the 21st Int. Conf. on Information Fusion (FUSION’18)*, IEEE, Cambridge (UK), July 2018.
- [45] M. Tagliaferri, A. Aldini. “*From Knowledge to Trust: a Logical Framework for Pre-Trust Computations*”. *IFIP WG 11.11 12th International Conference on Trust Management*, Nurit Gal-Oz and Peter Lewis, eds., *IFIP Advances in Information and Communication Technology*, vol. 528, pp. 107–123, Springer, Toronto (Canada), July 2018.
- [46] M. Tagliaferri, A. Aldini. “*A Taxonomy of Computational Models for Trust Computing in Decision-Making Procedures*”. *Procs. of the 17th European Conference on Cyber Warfare and Security (EC-CWS’18)*, pp. 571–578, Academic Conferences and Publishing International, Oslo (Norway), June 2018.
- [47] L. C. Klopfenstein, S. Delpriori, A. Aldini, A. Bogliolo. “*Introducing a flexible rewarding platform for mobile crowd-sensing applications*”. *Procs. of the IEE Int. Conf. on Pervasive Computing and Communications Workshops – 5th Workshop on Crowd Assisted Sensing, Pervasive Systems and Communications (CASPer’18)*, pp. 800–805, IEEE CS Press, Athens (Greece), March 2018.
- [48] R. Casadei, A. Aldini, M. Viroli. “*Combining trust and aggregate computing*”. *15th Int. Workshop on Foundations of Coordination Languages and Self-Adaptative Systems (FOCLASA’17)*, *Software Engineering and Formal Methods 2017*, Trento (Italy), A. Cerone and M. Roveri, eds., LNCS 10729:507–522, Springer, February 2018.
- [49] M. Tagliaferri, A. Aldini. “*Different semantics for reasoning about knowledge and trust*”. *32nd Italian Conference on Computational Logic (CILC’17)*, Napoli, September 2017.
- [50] A. La Marra, F. Martinelli, A. Saracino, A. Aldini. “*On Probabilistic Application Compliance*”. *IEEE Int. Workshop on Trustworthy Software Systems (TrustSoft’16)*, *2016 IEEE Trustcom/BigDataSE/ISPA*, pp. 1848–1855, IEEE CS Press, Tianjin (China), August 2016.
- [51] A. Aldini, V. Fano, P. Graziani. “*Theory of Knowing Machines: Revisiting Gödel and the Mechanistic Thesis*”. *History and Philosophy of Computing*, F. Gadducci and M. Tamosanis, eds., *IFIP Advances in Information and Communication Technology*, vol. 487, pp. 57–70, Springer, October 2016.
- [52] A. Aldini, “*A Formal Framework for Modeling Trust and Reputation in Collective Adaptive Systems*”. *Workshop on Formal Methods for the Quantitative Evaluation of Collective Adaptive Systems (FORECAST’16)*, *EPTCS 217*, pp. 19–30, Wien (Austria), July 2016.
- [53] A. Aldini, V. Fano, P. Graziani. “*Do the self-knowing machines dream of knowing their factivity?*”. *3rd International Workshop on Artificial Intelligence and Cognition (AIC’15)*, *CEUR Workshop Proceedings*, Torino (Italy), September 2015.
- [54] A. Aldini, V. Fano, P. Graziani. “*A Note on Knowing Machines*”. *Preliminary Proceedings of the 3rd International Conference on the History and Philosophy of Computing (HaPoC’15)*, pp. 15–17, Pisa University Press, Pisa (Italy), October 2015.
- [55] A. Aldini, J.-M. Seigneur, C. Ballester Lafuente, X. Titi, J. Guislain. “*Formal Modeling and Verification of Opportunity-enabled Risk Management*”. *Symposium on Recent Advances of Trust, Security and Privacy in Computing and Communications (RATSP)*, *2015 IEEE Trustcom/BigDataSE/ISPA*, pp. 676–684, IEEE CS Press, Helsinki (Finland), August 2015.
- [56] A. Aldini, M. Bernardo. “*Expected-Delay-Summing Weak Bisimilarity for Markov Automata*”. *13th Workshop on Quantitative Aspects of Programming Languages (QAPL’15)*, *EPTCS 194*, pp. 1–15, London (UK), April 2015.

- [57] A. Aldini. “*Saving Privacy in Trust-Based User-Centric Distributed Systems*” (**Best Paper Award**). 8th International Conference on Emerging Security Information, Systems and Technologies (SECURWARE’14), pp. 76–81, Lisbon (Portugal), November 2014.
- [58] A. Aldini. “*A Calculus for Trust and Reputation Systems*”. IFIP WG 11.11 8th International Conference on Trust Management, J. Zhou et al., eds., IFIP Advances in Information and Communication Technology, vol. 430, pp. 173–188, Springer, Singapore, July 2014.
- [59] A. Aldini, A. Bogliolo, C. Ballester, J.-M. Seigneur. “*On the Tradeoff Among Trust, Privacy, and Cost in Incentive-Based Networks*”. IFIP WG 11.11 8th International Conference on Trust Management, J. Zhou et al., eds., IFIP Advances in Information and Communication Technology, vol. 430, pp. 205–212, Springer, Singapore, July 2014.
- [60] A. Aldini, A. Bogliolo. “*Modeling and Verification of Cooperation Incentive Mechanisms in User-Centric Wireless Communications*”. *Security, Privacy, Trust, and Resource Management in Mobile and Wireless Communications*, D. Rawat, B. Bista, and G. Yan, eds., IGI Global, pp. 432–461, 2014.
- [61] A. Aldini, F. Martinelli, A. Saracino, D. Sgandurra. “*A Collaborative Framework for Generating Probabilistic Contracts*” (**Outstanding Paper Award**). International Conference on Collaboration Technologies and Systems (CTS 2013), IEEE CS Press, pp. 129–142, San Diego, CA, May 2013.
- [62] A. Aldini, A. Bogliolo. “*Trading Performance and Cooperation Incentives in User-Centric Networks*”. International Workshop on Quantitative Aspects in Security Assurance (QASA’12), Pisa (Italy), September 2012.
- [63] A. Aldini, A. Bogliolo. “*Model Checking of Trust-Based User-Centric Cooperative Networks*” (**Best Paper Award**). 4th International Conference on Advances in Future Internet (AFIN’12), pp. 32–41, Rome (Italy), August 2012.
- [64] A. Bogliolo, P. Polidori, A. Aldini, W. Moreira, P. Mendes, M. Yildiz, C. Ballester, J.-M. Seigneur. “*Virtual Currency and Reputation-Based Cooperation Incentives in User-Centric Networks*”. 8th International Wireless Communications and Mobile Computing Conference (IWCMC’12), IEEE, pp. 895–900, Limassol (Cyprus), August 2012.
- [65] A. Aldini, M. Bernardo, J. Sproston. “*Performability Measure Specification: Combining CSRL and MSL*”. 16th International Workshop on Formal Methods for Industrial Critical Systems (FMICS’11), G. Salaün and B. Schätz, eds., LNCS 6959:165–179, Springer, Trento (Italy), August 2011.
- [66] A. Aldini. “*Approximate Testing Equivalence Based on Time, Probability, and Observed Behavior*”. 8th Workshop on Quantitative Aspects of Programming Languages (QAPL’10), A. Di Pierro and G. Norman, eds., EPTCS 28:1–15, Paphos (Cyprus), March 2010.
- [67] A. Aldini, M. Bernardo. “*Weak Behavioral Equivalences for Verifying Secure and Performance-Aware Component-Based Systems*”. *Architecting Dependable Systems 6*, R. de Lemos, J.-C. Fabre, C. Gacek, F. Gadducci, M. H. ter Beek, eds., LNCS 5835:228–254, Springer, 2009.
- [68] A. Aldini, M. Bernardo. “*A General Framework for Nondeterministic, Probabilistic, and Stochastic Noninterference*”. Joint Workshop on Automated Reasoning for Security Protocol Analysis and Issues in the Theory of Security (ARSPA-WITS’09), P. Degano and L. Viganò, eds., LNCS 5511:18–33, Springer, York (UK), March 2009.
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