

Michele Bugliesi

CURRICULUM VITÆ

Novembre 2020

bugliesi@unive.it
FAX: +39 041 2348419
PHONE: +39 041 2348437

UNIVERSITÀ CA' FOSCARI, VENEZIA
VIA TORINO 155
30172 VENEZIA - MESTRE, ITALY

Profilo di ricerca

Professore Ordinario di Informatica.

Analisi statica – Verifica di Programmi – Sicurezza – Sistemi Distribuiti.

Carriera Accademica

Professore Ordinario Dipartimento di Scienze Ambientali, Informatica e Statistica Università Ca' Foscari.	11/2006	–	Oggi
Professore Associato Dipartimento di Informatica, Università Ca' Foscari.	9/2000	–	11/2006
Ricercatore Dipartimento di Informatica, Università Ca' Foscari.	11/1998	–	8/2000
Ricercatore Dip. Matematica Pura ed Applicata, Università di Padova.	12/1991	–	10/1998

Incarichi di Gestione

Istituzioni Accademiche, di Ricerca e Trasferimento tecnologico.....

Università Ca' Foscari Venezia Rettore, Presidente del Consiglio di Amministrazione Componente del Senato Accademico Direttore di Dipartimento Componente del Senato Accademico	Ott. 2014	–	Sett. 2020
	Ott. 2012	–	Sett. 2014
	Ott. 2009	–	Sett. 2014
	Ott. 2006	–	Sett. 2009
Fondazione Ca' Foscari Presidente del Consiglio di Amministrazione	Ott. 2014	–	Lug. 2020
SMACT Competence Center Componente del Consiglio di Sorveglianza	Dic. 2018	–	Oggi
VEGA - Parco Scientifico Tecnologico di Venezia Consigliere di Amministrazione	Ott. 2015	–	Feb. 2018
CISSET – Centro Int.le di Studi sull'Economia Turistica Consigliere di Amministrazione Presidente del Consiglio di Amministrazione	Ott. 2018	–	Oggi
	Ott. 2014	–	Sett. 2018
VIU – Venice International University Componente del Board of Directors	Ott. 2014	–	Oggi
Fondazione UNIVENETO Consigliere di Amministrazione	Ott. 2014	–	Sett. 2020

Fondazioni

Fondazione di Venezia			
Presidente	Giu. 2020	–	Oggi.
Consigliere Generale	Apr. Feb. 2016	–	Giu. 2020
Fondazione M9 - Museo del '900			
Presidente	Giu. 2020	–	Oggi.
Fondazione Giorgio Cini			
Consigliere Generale	Ott. 2014	–	Sett. 2020
Fondazione COIN			
Consigliere di Amministrazione	Ott. 2014	–	Sett. 2020

Società Private

M9 District S.r.l.			
Presidente	Sett. 2020	–	Oggi.
Marsilio Editori S.p.A			
Consigliere di Amministrazione	Giu. 2020	–	Oggi.
Unieuro S.p.A.			
Consigliere di Amministrazione	Feb. 2020	–	Oggi.

Esperienze Professionali

Digitalviews s.r.l. Venezia			
Co-fondatore	2011	–	oggi
DS Logics, s.r.l. Bologna.			
Co-fondatore	1990	–	1998
DS Logics, s.r.l. Bologna.			
Senior Software Engineer	6/1990	–	5/1992
ENIDATA S.p.A. / ARS S.p.A. Bologna.			
Software Engineer	11/1987	–	6/1990

Esperienze Internazionali

Visiting Scientist	6/2007	–	7/2007
Laboratoire PPS, Université Paris VII, Paris, France			
Visiting Scientist	7/2004	–	8/2004
University of Sussex, Department of Computer Science, Brighton.			
Invited Professor	2/2000	–	2/2000
École Normale Supérieure, Dépt. d'Informatique, Paris, France			
Visting Lecturer	1/1999	–	5/1999
Dept. of Computer Science, Boston University, MA, USA			

Titoli di studio

Université Paris VII Didier-Diderot Doctorat en Informatique.	2003
Purdue University MSc in Computer Science.	1992
Università di Pisa Laurea in Scienze dell'Informazione.	1987

Premi e riconoscimenti

- * Membro dell'Istituto Veneto di Scienze, Lettere e Arti (2015)
- * Premio per il *EATCS Best Theory Paper* alla *European Joint Conferences on Theory and Practice of Software (ETAPS 2013)*.
- * Vincitore della Borsa *Fullbright* per studiare a Purdue University, USA.

Interessi di ricerca

- * *2001 – Oggi: Sicurezza nei sistemi distribuiti* Verifica delle proprietà di sicurezza in sistemi distribuiti basata su tecniche delle algebre di processo e dei sistemi di tipo.
- * *2001 – Oggi: Protocolli Crittorafici* Verifica formale dei protocolli di sicurezza mediante sistemi di tipo e equivalenze osservazionali.
- * *1996 – 2001: Fondamenti dei linguaggi Orientati agli oggetti* Teorie di tipo, sistemi di inferenze di tipo, e semantica per calcoli ad oggetti.
- * *1990 – 1996: Programmazione Logica.* Estensione della programmazione logica con costrutti per la modularità e la programmazione ad oggetti. Tecniche di valutazione parziale.

Attività Didattica

Corsi di Laurea Magistrale

- * Programmazione Funzionale. Laurea Magistrale in Informatica, Ca' Foscari. 1999 – 2010.
- * Compilatori Laurea Magistrale in Informatica, Ca' Foscari. 2008 – 2014.
- * Sistemi di Tipo per Linguaggi ad Oggetti. Dottorato in Matematica Computazionale e Informatica. Università di Padova. 1997.

Corsi di Laurea Triennale

- * Programmazione ad Oggetti. Laurea Triennale in Informatica, Laurea in Scienze dell'Informazione, Ca' Foscari. 2001 – 2008.
- * Metodologie di Programmazione Laurea Triennale in Informatica, Ca' Foscari. 2008 – 2014.
- * Algoritmi e Strutture Dati. Laurea Triennale in Informatica, Laurea in Scienze dell'Informazione, Ca' Foscari. 1998 – 2002.
- * Concepts of Programming Languages. College of Arts and Sciences. Boston. 1999.
- * Teoria e Applicazioni delle Macchine Calcolatrici. Laurea in Matematica. Università di Padova. 1992 – 1998.
- * Fondamenti dei Linguaggi di Programmazione. Laurea in Matematica. Università di Padova. 1996 – 1997.

Contratti e Proposte di Ricerca

- * *ADAPT – Accessible Data for Accessible Proto-Types in the Social Sector*. MIUR. Smart Cities. 2013 - 2015. Responsabile Scientifico per DAIS. (€ 350.000)
- * *Certificazione di sicurezza per applicazioni mobili e web* POR FESR 2007-2013. 2013. Responsabile Scientifico. (€ 24.000)
- * *Sicurezza e Privacy per piattaforme Mobile Enterprise 2.0*. POR FESR 2007-2013. 2012. Responsabile Scientifico. (€ 24.000).
- * *CINA – Compositionality, Interaction, Negotiation, Autonomicity*. MIUR. PRIN 2010-11. Responsabile di Unità. (€ 375.600 in totale)
- * *IPODS – Interacting Processes in Open-ended Distributed Systems*. MIUR. PRIN 2008. CO-PI, Responsabile di Unità. (€ 64.000 in totale)
- * *Analisi e Riingegnerizzazione di Codice “Legacy”* Regione Veneto. POR FESR 2007-2013. 2010. Responsabile Scientifico (€ 28.000).
- * *Logical Foundations of Distributed Systems and Mobile Code*: MIUR. PRIN 2005. Responsabile Scientifico Nazionale (€ 117.000 in totale)
- * *COMMA – Control Mechanisms in Mobile Ambients*. EPSRC Visiting Fellowship: June 1 - July 31, 2003. Responsabile Scientifico per Venezia. (8.000 Sterline inglesi)
- * *MYTHS – Models and Types for Security in Mobile Distributed Systems*. IST Project, FET Proactive Initiative “Global Computing”: Jan. 2002– Jan. 2005. Responsabile Scientifico di Unità. (€ 750.000 in totale)
- * *Static Analysis Techniques for Mobility and Security on Internet*. France-Italy Azione Integrata GALILEO 2000–2002. Responsabile Scientifico locale (€ 6.000).

Supervisione di Studenti di Dottorato

- * Wilayat Khan. 2012 – 2016. *Lecturer, COMSATS University, Islamabad-Wah Campus*.
- * Stefano Calzavara, 2011 – 2013. *Static Verification and Enforcement of Authorization Policies*. (Ricercatore TD-B, Ca’ Foscari).
- * Giuseppe Maggiore. 2011 – 2013. *Casanova: a language for making games*.
- * Alvisè Spanò, **PhD**. 2010 – 2013. *Information Extraction by Type Analysis*. (Tecnico Scientifico, Ca’ Foscari).
- * Paolo Modesti. **PhD**. 2009 – 2012. *Verified Security Protocol Modeling and Implementation with AnBx*. (Senior Lecturer, Teesside University, UK).
- * Marco Giunti, **PhD**. 2007. *Secure Implementations of Typed Channel Abstractions*. (Researcher at Nova Link, Lisbona, PT).
- * Silvia Crafa, **PhD**. 2002. *Models and Types for Wide Area Computing: The calculus of Boxed Ambients*. (Ricercatrice, Università di Padova).

Supervisione di Assegnisti e Postdoc

- * Stefano Calzavara, 2013 – 2018
- * Alvisè Spanò, 2013 – 2014
- * Hamadou Sardaouna, 2011 – 2012.
- * Damiano Macedonio, 2006 – 2009
- * Dario Colazzo, 2003 – 2004
- * Silvia Crafa, 2003 – 2005

Seminari Invitati (*Keynote Lectures*)

- * *Sfide per la Cybersecurity* Istituto Studi Militari Marittimi. Lection Magistralis, Inaugurazione AA 2018/19. Novembre 2018.
- * *Digital Technology for Cultural Heritage*. The Third Silk Road International Cultural Expo Special Forum. Dunhuang Academy, China. Settembre 2018
- * *Internationalization Strategy and Institutional Sustainability: Choices and Challenges at Ca' Foscari Univ. of Venice*. HUMANE Spring Seminar. Roma, Aprile 2017
- * *Surviving the web: a journey into web session (in)security*. Suzhou University, Febbraio 2017.
- * *The Excellence of Italian Research Italy - U.S. University Partnerships Forum*, Ambasciata Italiana Washington DC, Gennaio 2017.
- * *SDGs and the role of Universities* Ricerca e Innovazione per gli Obiettivi di Sviluppo Sostenibile: verso una crescita verde e inclusiva. FEEM, Milano. Marzo 2016.
- * *Creative Arts, Technology and Culture at Ca' Foscari* NEXUS Art, Science and Technology Symposium. Venezia, Novembre 2015.
- * *Client-side Protection in Web Security*. TRENDS 2014 – IFIP WG 1.8 on Concurrency Theory, Roma, Settembre 2014.
- * *Resource Logics for Type-Based Authorization in Distributed Systems* TGC'11, 6th International Symposium on Trustworthy Global Computing, Aachen, Agosto 2011,
- * *Security Abstractions and Intruder Models*. EXPRESS'08, 16th International Workshop on Expressiveness in Concurrency. Toronto, Agosto 2008.
- * *Typed Access Control in Untyped Contexts*. TGC'05, First International Symposium on Trustworthy Global Computing. Edinburgh, Aprile 2005.
- * *Type Based Security in Ambient Calculi*. Dagstuhl-Seminar on Language-Based Security, Ottobre 2003.
- * *Interpretations of Objects in Functional and Logic Languages*. AGP'99 Joint Conference on Declarative Programming, L'Aquila, Settembre 1999.
- * *Security by Typing in System of Mobile Agents*. FOSAD2002, International School on Foundations of Security Analysis and Design. Bertinoro, Settembre 2002.
- * *Calculi and Types for Mobility and Security*. EJC2002, Ecole Jeunes Chercheurs en Programmation, Rennes, Francia, Maggio 2002.
- * *Calculi and Types for Mobility and Security*. Invited EJC2001, Ecole Jeunes Chercheurs en Programmation, Cargese, Corsica, Giugno 2001.

Attività Editoriali

- * Membro dell'*Editorial Board* della rivista *Security and Communication Networks* (2015 – Oggi).
- * *Guest Editor* della rivista *Logical Methods in Computer Science* (2006).

Presenza in Comitati di Direzione

- * Membro del Comitato Direttivo del Capitolo Italiano dell'Associazione EATCS. (2006 - 2011). Segretario all'interno del Comitato (2009–2011).
- * Membro dello *Steering Committee* dell'*International Workshop on Foundations of Object Oriented Languages*. (2005 – 2008).

Presenza in Comitati di Programma

- * **ESSOS** International Symposium on Engineering Secure Software and Systems. (2016)
- * **ECPE** International Symposium on Embedded & Cyber-Physical Environments. Program Committee Co-chair. (2015).
- * **CSF** 28th IEEE Computer Security Foundation Symposium. (2015)
- * **SAS** International Symposium on Abstract Interpretation. (2011, 2014)
- * **PLACES**, International Workshop on Programming Language Approaches to Concurrency and Communication-centric Software. (2014)
- * **COMPSAC** Annual IEEE International Computer Software and Applications Conference, Track Chair. (2009, 2011, 2012, 2013, 2014, 2016, 2019).
- * **WF-IoT**, IEEE World Forum on Internet of Things. (2014,2015)
- * **MFCS** International Symposium on Mathematical Foundations of Computer Science. (2012)
- * **PPDP** ACM International Symposium on Principles and Practice of Declarative Programming. (2010)
- * **ESOP** European Symposium on Programming (2006, 2009).
- * **FCS** International Workshop on Foundations of Computer Security (2004, 2009),
- * **MeCBIC** International Meeting on Membrane Computing and Biologically Inspired Process. (2008)
- * **DCM** International Workshop on Developments of Computational Models. (2007)
- * **EXPRESS** International Workshop on Expressiveness in Concurrency. (2005, 2006).
- * **ICTCS** Italian Conference on Theoretical Computer Science. (2005)
- * **FMOODS** IFIP International Conference on Formal Methods for Open Object-based Distributed Systems (2003, 2005).
- * **FOSSACS** International Conference on Foundations of Software Science and Computation Structures. (2005)
- * **CSFW**, 16th IEEE Computer Security Foundation Workshop. (2003)
- * **EUROWEB**, The Web in Public Administration. (2001)
- * **FOOL**, International Workshop on Foundations of Object Oriented Languages. (2001)
- * **CL**, International Conference on Computational Logic. (2000)
- * **AGP** Joint Conference on Declarative Programming (1999, 2000).

Valutazione di Tesi di Dottorato

- * Membro della Commissione per l'esame finale di Dottorato. Dottorato in Informatica, Università di Bologna. 2014.
- * *Towards a Safe and Secure Synchronous Language*. Pejman Attar, Doctorat d'Informatique, Université de Nice Sophia Antipolis. Francia. 2013
- * Membro della Commissione per l'esame finale di Dottorato. Dottorato in Informatica, Università di Pisa. 2006.
- * *Typing secure information flow: declassification and mobility*. Ana Matos, Doctorat d'Informatique, École des Mines de Paris, Francia. 2006.
- * *Semantic Approaches to Global Computing Systems*. Daniele Gorla, Dottorato in Informatica. Università di Firenze 2005 (revisore).
- * *'Types for Object-Oriented and Functional Programming Languages*. Silvia Likavec, Dottorato in Informatica, Università di Torino. 2005. (revisore)
- * *Abstract machines for mobility: theory and implementation*. Andrea Valente, Dottorato in Informatica, Università di Torino. 2003. (revisore).
- * *Applying Formal Methods to Programming Language Design and Implementation*. Giuseppe Milicia, Dept. of Computer Science, University of Aarhus, Danimarca. 2003. (revisore).

Attività come revisione per Riviste Internazionali

ACM Transactions on Programming Languages and Systems (TOPLAS). Journal of Functional Programming. Theoretical Computer Science. Science of Computer Programming. Journal of Computer Security, Journal of Functional Programming Journal of Functional and Logic Programming. IEEE Transactions on Information Forensics & Security.

Attività come Revisore per Conferenze Internazionali

ALP: Int. Conference on Algebraic and Logic Programming. PLILP: Int. Symposium on Programming Languages Implementation on Logic Programming. SAS: Static Analysis Symposium. ECOOP: European Conference on Object-Oriented Programming. ILPS: International Symposium on Logic Programming. JICSLP: Joint International Conference and Symposium on Logic Programming. ESOP: European Symposium on Programming. TLCA: International Conference on Typed Lambda Calculi. LICS: International Symposium on Logic in Computer Science. FCT: International Symposium on Fundamentals of Computation Theory. SAS: International Static Analysis Symposium. FM: Formal Methods. PPDP: Principles and Practice of Declarative Programming. CSFW: Computer Security Foundation Workshop. ICFP: International Conference on Functional Programming. CONCUR: International Conference on the Theory of Concurrency FOSSACS: Foundations of Software Sciences and Computation Structures.

Attività come Revisore per Agenzie di Finanziamento

- * **ERC** Revisore per progetti ERC Consolidator, 2017.
- * **MIUR** Revisore per progetti PRIN, 2009.
- * **MIUR** Revisore per la valutazione CIVR. 2003.

Commissioni di Concorso

- * Membro della Commissione per il Concorso per 1 posto da Ricercatore Universitario (SSD INF/01 – INFORMATICA). Università Ca’Foscari Venezia. 2013.
- * Membro della Commissione per il Concorso per 1 posto da Ricercatore Universitario (SSD INF/01 – INFORMATICA). Università Ca’Foscari Venezia. 2011.
- * Presidente della Commissione per l’Esame di Stato per l’Ammissione all’Albo degli Ingegneri. Università Ca’ Foscari Venezia. 2007.
- * Membro della Commissione per il Concorso per 2 posti da Ricercatore Universitario (SSD INF/01 – INFORMATICA). Università di Napoli Federico II. 2006.
- * Membro della Commissione per il Concorso per 1 posto da Ricercatore Universitario (SSD K05B – INFORMATICA). Università di Genova. 2005.
- * Membro della Commissione per il Concorso per 1 posto da Ricercatore Universitario (SSD K05B – INFORMATICA). Università di Torino. 2000.

Pubblicazioni

Riviste Internazionali

- [1] Stefano Calzavara, Alvisè Rabitti, and Michele Bugliesi. Sub-session hijacking on the web: Root causes and prevention. *J. Comput. Secur.*, 27(2):233–257, 2019.
- [2] Stefano Calzavara, Alvisè Rabitti, and Michele Bugliesi. Semantics-based analysis of content security policy deployment. *ACM Trans. Web*, 12(2):10:1–10:36, 2018.
- [3] Michele Bugliesi, Stefano Calzavara, and Riccardo Focardi. Formal methods for web security. *J. Log. Algebraic Methods Program.*, 87:110–126, 2017.
- [4] Michele Bugliesi, Stefano Calzavara, Sebastian Mödersheim, and Paolo Modesti. Security protocol specification and verification with anbx. *J. Inf. Secur. Appl.*, 30:46–63, 2016.
- [5] Michele Bugliesi, Stefano Calzavara, Fabienne Eigner, and Matteo Maffei. Affine Refinement Types for Secure Distributed Programming. *ACM Transactions on Programming Languages and Systems (TOPLAS)*, 37(4), 2015. Revised and extended version of [42].
- [6] Stefano Calzavara, Gabriele Tolomei, Andrea Casini, Michele Bugliesi, and Salvatore Orlando. A supervised learning approach to protect client authentication on the web. *TWEB*, 9(3):15, 2015.
- [7] Michele Bugliesi, Stefano Calzavara, Riccardo Focardi, and Wilayat Khan. Cookiext: Patching the browser against session hijacking. *Journal of Computer Security*, xx(xx):xx, 2015. To appear.
- [8] M. Bugliesi, A. Marin, and S. Rossi. Model Checking Adaptive Service Compositions. *Science of Computer Programming*, pages 289–306, 2014. Revised and extended version of [56].
- [9] Michele Bugliesi, Lucia Gallina, Andrea Marin, Sabina Rossi, and Sardaouna Hamadou. Behavioral equivalences and interference metrics for mobile ad-hoc networks. *Performance Evaluation*, 73:41–72, 2014. Revised and extended version of [49].

- [10] M. Bugliesi and V. Sassone. Selected Papers of the Conference International Colloquium on Automata, Languages and Programming 2006. *Logical Methods in Computer Science*, 2010. Editorial.
- [11] M. Bugliesi and R. Focardi. Channel abstractions for network security. *Mathematical Structures in Computer Science*, 20(1):3–44, 2010. Revised and extended version of [58] and [57].
- [12] M. Bugliesi, D. Colazzo, S. Crafa, and D. Macedonio. A type system for discretionary access control. *Mathematical Structures in Computer Science*, 19:839–875, 2009. Revised and extended version of [63].
- [13] F. Barbanera, M. Bugliesi, M. Dezani-Ciancaglini, and V. Sassone. Space-Aware Ambients and Processes. *Theor. Comput. Sci.*, 373(1-2):41–69, 2007. Revised and extended version of [69].
- [14] M. Bugliesi, R. Focardi, and M. Maffei. Dynamic Types for Authentication. *Journal of Computer Security*, 15(6):563–617, 2007. Revised and extended version of [64].
- [15] M. Bugliesi and S. Rossi. Non Interference Proof Techniques for the Analysis of Cryptographic Protocols. *Journal of Computer Security*, 13(1):87 – 113, 2005. Revised and extended version of [66].
- [16] M. Bugliesi, S. Crafa, M. Merro, and V. Sassone. Communication and Mobility Control in Boxed Ambients. *Information and Computation*, 202(1):39 – 86, 2005. Revised and extended version of [71].
- [17] M. Bugliesi, G. Castagna, and S. Crafa. Access Control for Mobile Agents: the Calculus of Boxed Ambients. *ACM Transactions on Programming Languages and Systems (TOPLAS)*, 26(1):57 – 124, 2004. Revised and extended version of [74] and [76].
- [18] M. Bugliesi and G. Castagna. Behavioral Typing for Safe Ambients. *Computer Languages*, 28(1):61–99, 2002. Revised and extended version of [75].
- [19] V. Bono, M. Bugliesi, and S. Crafa. Typed Interpretations of Extensible Objects. *ACM Transactions on Computational Logic (TOCL)*, 3(4):562–603, 2002. Revised and extended version of [81].
- [20] M. Bugliesi and S Pericas-G. Type Inference for Variant Object Types. *Information and Computation*, 177(1):2–27, 2002. Revised and extended version of [80].
- [21] M. Bugliesi, G. Delzanno, L. Liquori, and M. Martelli. Object Calculi in Linear Logic. *Journal of Logic and Computation*, 10(1):75 –104, 2000. Revised and extended version of [86].
- [22] V. Bono and M. Bugliesi. Matching for the Lambda Calculus of Objects. *Theoretical Computer Science*, 212(1-2):101–140, 1999. Revised and extended version of [83].
- [23] V. Bono, Bugliesi M., L. Liquori, and M. Dezani-Ciancaglini. A Subtyping for Extensible, Incomplete Objects. *Fundamenta Informaticae*, 38(4):325–364, 1999. Revised and extended version of [84].
- [24] M. Bugliesi, A. Ciampolini, E. Lamma, and P. Mello. Optimizing Modular Logic Language. *ACM Computing Surveys*, 30(3):10–15, 1998.
- [25] A. Bossi, M. Bugliesi, M. Gabbrielli, M.C. Meo, and G. Levi. Differential Logic Programming: Programming Methodologies and Semantics. *Science of Computer Programming*, 27(3):217–262, 1996. Revised and extended version of [89].

- [26] M. Bugliesi, E. Lamma, and P. Mello. Modularity in Logic Programming. *Journal of Logic Programming*, (19,20):443–502, 1994.
- [27] M. Bugliesi, E. Lamma, and P. Mello. Partial Deduction for Structured Logic Programming. *Journal of Logic Programming*, 16:89–122, 1993. Revised and extended version of [96].

Atti di Conferenze Internazionali con Revisione

- [28] Stefano Calzavara, Alvisè Rabitti, Alessio Ragazzo, and Michele Bugliesi. Testing for integrity flaws in web sessions. In Kazue Sako, Steve A. Schneider, and Peter Y. A. Ryan, editors, *Computer Security - ESORICS 2019 - 24th European Symposium on Research in Computer Security, Luxembourg, September 23-27, 2019, Proceedings, Part II*, volume 11736 of *Lecture Notes in Computer Science*, pages 606–624. Springer, 2019.
- [29] Stefano Calzavara, Alvisè Rabitti, and Michele Bugliesi. Semantically sound analysis of content security policies. In Jorge A. Pérez and Nobuko Yoshida, editors, *Formal Techniques for Distributed Objects, Components, and Systems - 39th IFIP WG 6.1 International Conference, FORTE 2019, Held as Part of the 14th International Federated Conference on Distributed Computing Techniques, DisCoTec 2019, Kongens Lyngby, Denmark, June 17-21, 2019, Proceedings*, volume 11535 of *Lecture Notes in Computer Science*, pages 293–297. Springer, 2019.
- [30] Stefano Calzavara, Alvisè Rabitti, and Michele Bugliesi. CCSP: controlled relaxation of content security policies by runtime policy composition. In Engin Kirda and Thomas Ristenpart, editors, *26th USENIX Security Symposium, USENIX Security 2017, Vancouver, BC, Canada, August 16-18, 2017*, pages 695–712. USENIX Association, 2017.
- [31] Tiberiu Seceleanu, Tiziana Margaria, Rajesh Subramanyan, Michele Bugliesi, Cristina Seceleanu, and Bruce M. McMillin. Messge from the ECPE organizing committee. In *40th IEEE Annual Computer Software and Applications Conference, COMPSAC 2016, Atlanta, GA, USA, June 10-14, 2016*, page 281. IEEE Computer Society, 2016.
- [32] Stefano Calzavara, Alvisè Rabitti, Enrico Steffinlongo, and Michele Bugliesi. Static detection of collusion attacks in arbac-based workflow systems. In *IEEE 29th Computer Security Foundations Symposium, CSF 2016, Lisbon, Portugal, June 27 - July 1, 2016*, pages 458–470. IEEE Computer Society, 2016.
- [33] Stefano Calzavara, Alvisè Rabitti, and Michele Bugliesi. Content security problems?: Evaluating the effectiveness of content security policy in the wild. In Edgar R. Weippl, Stefan Katzenbeisser, Christopher Kruegel, Andrew C. Myers, and Shai Halevi, editors, *Proceedings of the 2016 ACM SIGSAC Conference on Computer and Communications Security, Vienna, Austria, October 24-28, 2016*, pages 1365–1375. ACM, 2016.
- [34] Stefano Calzavara, Michele Bugliesi, Silvia Crafa, and Enrico Steffinlongo. Fine-grained detection of privilege escalation attacks on browser extensions. In *Programming Languages and Systems - 24th European Symposium on Programming, ESOP 2015 Proceedings*, volume 9032 of *Lecture Notes in Computer Science*, pages 510–534. Springer, 2015.
- [35] Stefano Calzavara, Alvisè Rabitti, and Michele Bugliesi. Formal verification of liferay rbac. In *International Symposium on Engineering Secure Software and Systems (ESSOS 2015)*, volume 8978 of *Lecture Notes in Computer Science*, pages 1 – 16. Springer, 2015.
- [36] Stefano Calzavara, Alvisè Rabitti, and Michele Bugliesi. Compositional typed analysis of ARBAC policies. In *IEEE 28th Computer Security Foundations Symposium, CSF 2015*, pages 33–45. IEEE, 2015.

- [37] Wilayat Khan, Stefano Calzavara, Michele Bugliesi, W. De Groef, and Frank Piessens. Client side web session integrity as a non-interference property. In *International Conference on Information and System Security (ICISS 2014)*, volume 8880 of *Lecture Notes in Computer Science*, pages 89–108. Springer, 2014.
- [38] Michele Bugliesi, Stefano Calzavara, Riccardo Focardi, Wilayat Khan, and Mauro Tempesta. Provably sound browser-based enforcement of web session integrity. In *27th IEEE Computer Security Foundations Symposium (CSF2014)*. IEEE, 2014.
- [39] Stefano Calzavara, Gabriele Tolomei, Michele Bugliesi, and Salvatore Orlando. Quite a mess in my cookie jar! leveraging machine learning to protect web authentication. In *23rd International World Wide Web Conference (WWW 2014)*, pages 189–200. ACM, 2014.
- [40] Michele Bugliesi, Stefano Calzavara, Riccardo Focardi, and Wilayat Khan. Automatic and robust client-side protection for cookie-based sessions. In *International Symposium on Engineering Secure Software and Systems (ESSOS 2014)*, volume 8364 of *Lecture Notes in Computer Science*, pages 161 – 178. Springer, 2014.
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