LEONARDO QUERZONI
Curriculum Vitae

Place: Roma
Date: 21/12/2018

Part I – General Information

Full Name	LEONARDO QUERZONI
Date of Birth	------------------
Place of Birth	------------------
Citizenship	------------------
Permanent Address	------------------
Mobile Phone Number	------------------
E-mail	------------------
Spoken Languages	Italian, English

Part II – Education

Type	Year	Institution	Notes (Degree, Experience,…)
Laurea Degree	2003	Università degli Studi di Roma "La Sapienza"	Laurea in Ingegneria Informatica (Engineering in Computer Science) - 108/110 – Title: "Progetto e simulazione di un sistema di comunicazione content based publish/subscribe"
PhD	2007	Università degli Studi di Roma "La Sapienza"	Ph.D. in Engineering in Computer Science [Dottorato di Ricerca in Ingegneria Informatica] – Title: "Techniques for Efficient Event Routing" – Co-tutors: Prof. Roberto Baldoni, Prof. Ricardo Jiménez-Peris – External reviewers: Prof. Bettina Kemme, Prof. Anne-Marie Kermarrec, Prof. Philip K. McKinley

Part III – Appointments

III.A – Academic Appointments

Start	End	Institution	Position
2008	--	Università degli Studi di Roma "La Sapienza"	Ricercatore a tempo indeterminato at Dipartimento di Ingegneria Informatica Automatica e Gestionale "Antonio Ruberti" (SSD ING-INF/05)
2007	2008	Università degli Studi di Roma "La Sapienza"	Research fellow (assegnista di ricerca) at Dipartimento di Ingegneria Informatica Automatica e Gestionale "Antonio Ruberti" – Research topic: "Event-based middleware for dynamic distributed systems"
2016	2016	ENSAI - Rennes	Visiting professor (1 month)
2011	2011	INRIA Rhône-Alpes - Grenoble	Visiting professor (3 months)
2005	2005	Universidad Politécnica de Madrid	Student Internship – Supervisor: Prof. Ricardo Jiménez-Péris (8 months)

III.B – Other Appointments

- **Tutorial co-chair** for the 14th ACM International Conference on Distributed and Event-based Systems (DEBS), 2020.
- **Program Committee Co-Chair** for the 13th ACM International Conference on Distributed and Event-based Systems (DEBS), 2019.
- Member of the **Test-of-Time Award Committee** for the 13th ACM International Conference on Distributed and Event-based Systems (DEBS), 2019.
- Since 2017 he is regularly invited to the **Cyber Security Steering Committee** meetings of Assolombarda Confindustria Milano Monza e Brianza.
- From 2016 to 2019 he was one of the representatives at ECSO (European Cyber Security Organisation) for CINI (Consorzio Interuniversitario per l'Informatica).
- From 2015 to 2017 he was **member of the Data and Business Ethics Board** for the SSIX Project (EU H2020) as independent expert.
- **Doctoral Symposium co-chair** for the 11th ACM International Conference on Distributed and Event-based Systems (DEBS), 2017.
- **Doctoral Symposium co-chair** for the 10th ACM International Conference on Distributed and Event-based Systems (DEBS), 2016.
- **General chair** for the 18th International Conference on Principles of Distributed Systems (OPODIS), 2014.
- Co-chair for the First International Workshop on Big Data Analytics for Security (DASec), 2014.
- Co-chair for the First International Workshop on Algorithms and Models for Distributed Event Processing (AlMoDEP), 2011.
- Publicity co-chair for the 4th ACM International Conference on Distributed Event Based Systems (DEBS), 2010.
- Organizing co-chair for the 2nd International Conference on Distributed Event Based Systems (DEBS), 2008.
- **Doctoral Symposium chair** for the 7th European Dependable Computing Conference (EDCC), 2007.
- Symposium Information System co-chair for the 26th International Symposium on Reliable Distributed Systems (SRDS), 2007.

Part IV – Teaching experience

IV.A – Teaching experience in Bachelor and Master programs

Year	Institution	Total CFUs	Lecture/Course
2018/2019	Università degli Studi di Roma "La Sapienza"	12	Malware Analysis and Incident Forensics (6 CFU)
			Distributed Systems (6 CFU)
2017/2018	Università degli Studi di Roma "La Sapienza"	9	Laboratorio di applicazioni software e sicurezza informatica (3 CFU)
			Systems and enterprise security (6 CFU)
2016/2017	Università degli Studi di Roma "La Sapienza"	9	Laboratorio di sicurezza informatica (3 CFU)
			Systems and enterprise security (6 CFU)
2015/2016	Università degli Studi di Roma "La Sapienza"	9	Laboratorio di sicurezza informatica (3 CFU)
			Systems and enterprise security (6 CFU)
2014/2015	Università degli Studi di Roma "La Sapienza"	9	Elective in Architectures and Distributed Systems (6 CFU)
			Progetto di Reti e Sistemi Informatici (3 CFU)
2013/2014	Università degli Studi di Roma "La Sapienza"	9	Elective in Architectures and Distributed Systems (6 CFU)
			Progetto di Reti e Sistemi Informatici (3 CFU)
2012/2013	Università degli Studi di Roma "La Sapienza"	9	Elective in Architectures and Distributed Systems (6 CFU)
			Progetto di Reti e Sistemi Informatici (3 CFU)

2011/2012	Università degli Studi di Roma "La Sapienza"	12	Elective in Architectures and Distributed Systems (6 CFU)
			Sistemi Distribuiti (6 CFU)
2010/2011	Università degli Studi di Roma "La Sapienza"	9	Elective in Architectures and Distributed Systems (6 CFU)
			Fondamenti di Informatica (3 CFU)
2009/2010	Università degli Studi di Roma "La Sapienza"	6	Fondamenti di Informatica I (6 CFU)
2008/2009	Università degli Studi di Roma "La Sapienza"	15	Sistemi Distribuiti (5 CFU)
			Fondamenti di Informatica (10 CFU)
2007/2008	Università degli Studi di Roma "La Sapienza"	6	Calcolatori Elettronici (6 CFU)
2006/2007	Università degli Studi di Roma "La Sapienza"	6	Calcolatori Elettronici (6 CFU)

IV.B – Teaching experience in PhD programs

Since 2008 he has **tutored the following PhD** students:

- **Adriano Cerocchi** – currently CEO at Over Technologies S.p.A, Rome, Italy
- **Fabio Petroni** – currently researcher at Facebook, London, UK
- **Nicolò Rivetti di Val Cervo** – currently post-doc at Technion, Haifa, Israel
- **Claudio Ciccotelli** – currently research fellow at Università degli Studi di Roma "La Sapienza"

From 2013 till 2017 he coordinated the course "Great Ideas in ICT" for PhD students.

IV.C –Other teaching duties

- In 2019 he was coordinator of the Sapienza node for the **Cyberchallenge.IT program**, organized by CINI Cyber Security National Laboratory.
- In 2018 he was lecturer in the master "Sicurezza dell'informazione e informazione strategica" at Università degli Studi di Roma "La Sapienza"
- In 2017 he was **lecturer for the Cyberchallenge.IT program**, co-organized by CIS-Sapienza and CINI, with support from CISCO and IBM.
- In 2015 and 2016 he was lecturer for a 6hrs teaching module on "Stream processing for big data applications" at *Scuola di formazione del Sistema di informazione per la Sicurezza della Repubblica*.
- In 2011 and 2012 he was co-lecturer for the course on "Metodologie e tecniche di sicurezza" within the "Master in Interoperabilità per la Pubblica Amministrazione e le Imprese" at Università degli Studi di Roma "La Sapienza".

Part V - Society memberberships, Awards and Honors

Year	Title
2017	**Test of Time Award** for the paper *R. Baldoni, R. Beraldi, V. Quéma, L. Querzoni, and S. T. Piergiovanni. Tera: Topic-based event routing for peer-to-peer architectures. In Proceedings of the 1st International Conference on Distributed Event Based Systems.* This work – based on the PhD thesis from Leonardo Querzoni – was awarded as the **most influential paper** among those presented at the 2007 edition of the International Conference on Distributed Event Based Systems (DEBS).
2019	**Best Paper Award Runner-up** for the paper *L. Massarelli, G. A. Di Luna, F. Petroni, L. Querzoni, and R. Baldoni. SAFE: self-attentive function embeddings for binary similarity* published at the 16th Conference on Detection of Intrusions and Malware Vulnerability Assessment (DIMVA)
2019	**Nomination for the 2019 Pwnie Awards as "Most Innovative Research"** for the paper *L. Massarelli, G. A. Di Luna, F. Petroni, L. Querzoni, and R. Baldoni. SAFE: self-attentive function embeddings for binary similarity* at Black Hat USA 2019

Part VI - Funding information

VI.A – Funded projects

Year	Title	Program	Grant value
2016	FilieraSicura: Securing the Supply Chains of Domestic Critical Infrastructures from Cyber Attacks	Industrial project with Cisco and Leonardo Company	------------
2014	TeraGPU: una piattaforma di calcolo eterogenea per la sperimentazione di algoritmi massivamente paralleli e distribuiti su grandi moli di dati	Ateneo – medium/large infrastructures	------------
2013	Digital Market Intelligence	Regione Lazio - CORESEARCH	------------

VI.B – Technical contributions

Year	Title	Contributions
2018 --	ATENA (EU H2020)	He leads scientific activities linked to the study, design and development of novel methods and techniques for the identification of failures and attacks in complex and critical IT systems.
2016 --	FilieraSicura (Industrial project)	This project involves 9 working units from different Italian universities working on securing supply chains from cyber attacks. Within this project Leonardo Querzoni is unit leader for Università degli Studi di Roma "La Sapienza" and leader of workpackage 3 "Near Real-time Situational Awareness".
2013 -- 2016	TENACE (MIUR PRIN)	Leader of workpackage 1 "Threat model and attack analysis".
2013 -- 2015	Digital Market Intelligence (CO-RESEARCH Regione Lazio)	Unit leader for Università degli Studi di Roma "La Sapienza". Lead all activities related to securing the project IT systems from potential attacks.
2010 -- 2012	DOTS-LCCI (MIUR PRIN)	Contributions on new advanced solutions for peer-to-peer event-based communication in wide area networks.
2009 -- 2011	SOFIA (EU JU Artemis)	Lead research activities about the design and development of fault-tolerant embedded services.
2008 -- 2011	SM4All (EU FP7)	Leader of workpackage 6 "Scalability, Dependability, Dynamicity Security and Privacy".
2008 -- 2011	CoMiFin (EU FP7)	Contributions on the design of the overall system architecture.
2006 -- 2008	Esteem (MIUR PRIN)	Contributions on peer-to-peer event-based messaging solutions.
2006 -- 2008	ReSIST (EU NoE)	Participated to research activities in collaboration with LAAS Toulouse (France) on reliable shared memories in mobile environments.
2003 -- 2006	IS-MANET (MIUR FIRB)	Contributions on advanced routing algorithms for mobile ad-hoc networks.
2002 -- 2005	MAIS (MIUR FIRB)	Contribution on software replication techniques for fault tolerance.

VI.B – Other projects

- He was **part of the *core team* that worked on the proposal for the call "Dipartimenti di eccellenza 2018-2022"**. The Department of computer control and management engineering Antonio Ruberti, on the basis of this proposal, was **awarded 8.6M€** that will help it grow for the next 5 years in the area of cybersecurity.
- He is currently involved as investigator in a big data web intelligence project coordinated by Presidenza del Consiglio dei Ministri.
- From 2013 to 2016 he **leaded work package 1 "*Threat model and attack analysis*" of the TENACE project** (MIUR PRIN 20103P34XC)
- From 2008 to 2011 he **leaded work package 6 "*Scalability, Dependability, Dynamicity Security and Privacy*" of the SM4All project** (EU FP7)

- Since 2008 he **contributed to several projects with the role of investigator**:
  - *European projects*: ATENA (EU H2020), SOFIA (EU-Artemis), eDIANA (EU-Artemis), CoMiFin (EU FP7), ReSIST (EU NoE)
  - *Italian projects*: Esteem (MIUR PRIN), MAIS (MIUR FIRB), IS-MANET (MIUR FIRB)
  - *Industrial projects* in collaboration with Finmeccanica, SOGEI, MBDA, Telecom Italia, 3rd Place.

Part VII – Research Activities

Keywords	Brief Description
System security and dependability	▪ Security governance with a specific interest in cybersecurity frameworks. ▪ Malware Analysis with a specific interest in malware classification. ▪ Binary similarity applied to computer security and code analysis ▪ Fault detection and identification in data centers with a specific interest in autonomous and non-intrusive approaches.
Stream processing	▪ Efficiency and scalability of distributed stream processing platforms with a specific interest in autonomous adaptability of platform configurations to variable load characteristics and exogenous factors.
Recommendation systems	▪ Efficiency and scalability of distributed large scale recommendation algorithms with a specific interest in stochastic gradient descent techniques and graph partitioning approaches.
Event based middleware	▪ Wide-area Publish/subscribe systems (both topic- and content-based) with a specific interest in quality of service aspects (message ordering, timeliness), autonomous adaptability to workloads, scalability in large scale contexts.

Formerly, Leonardo Querzoni also contributed with several original works in the areas of peer-to-peer networks, dynamic large scale distributed systems, wireless and sensor networks. Research in these topics has been carried out by Leonardo Querzoni in various timeframes since 2007.

Leonardo Querzoni is also affiliated with the Research Center on Cyber Intelligence and Information Security (CIS) at Università degli Studi di Roma "La Sapienza" and with CINI Cyber Security National Laboratory.

Leonardo Querzoni is a **co-author of the "Italian Cybersecurity Framework"** (http://www.cybersecurityframework.it) that is today widely adopted in Italy by both industries and government bodies. He is also **co-author of the "Essential Cybersecurity Controls",** a guideline for securing systems in SMEs.

Part VIII – Summary of Scientific Achievements

VIII.A – Number of publications by type

Product type	Scopus	Google Scholar	Start	End
Journal Papers	19	20	2005	2019
Conference/workshop papers	54	57	2004	2019
Chapters in books	3	5	2006	2019
Proceedings	4	4	2011	2019
Patents	NA	1	2008	2019

VIII.B – Bibliometrics

Metric	Scopus	Google Scholar	InCite
Total Impact factor*			31,83
Average Impact Factor			1,59
Total Citations	711	1465	
Average Citations per Product	8,89	16,84	
Hirsch (H) index	13	18	

* Calculated as sum of impact factors for journals Leonardo Querzoni has published in.

Part IX – Selected Publications

1. Federico Lombardi, Andrea Muti, Leonardo Aniello, Roberto Baldoni, Silvia Bonomi, Leonardo Querzoni. PASCAL: An architecture for proactive auto-scaling of distributed services. Future Generation Computer Systems, 98:342–361, 2019 - *IF: 5,768[1], Citations: 3 (Scopus) 5 (Google Scholar).*

2. Luca Massarelli, Giuseppe Antonio Di Luna, Fabio Petroni, Leonardo Querzoni, Roberto Baldoni. SAFE: self-attentive function embeddings for binary similarity. In Proceedings of the 16th Conference on Detection of Intrusions and Malware Vulnerability Assessment (DIMVA), 2019 - *Citations: 0 (Scopus) 1 (Google Scholar).* Best paper award runner-up at DIMVA 2019. Nomination for the Pwnie Awards "Most Innovative Research" at BlackHat USA 2019.

3. Federico Lombardi, Leonardo Aniello, Silvia Bonomi, Leonardo Querzoni: Elastic symbiotic scaling of operators and resources in stream processing systems. IEEE Transactions on Parallel and Distributed Systems, 29(3):572–585, 2018 - *IF: 4,181, Citations: 10 (Scopus) 17 (Google Scholar)*

4. Fabio. Petroni, Leonardo. Querzoni, Roberto. Beraldi, Mario Paolucci: Exploiting user feedback for online filtering in event-based systems. Future Generation Computer Systems, 71:202-211, 2017 - *IF: 4,639, Citations: 2 (Scopus) 4 (Google Scholar)*

5. Nicolò Rivetti, Yann Busnel, Leonardo Querzoni. Load-aware shedding in stream processing systems. In Proceedings of the 10th ACM International Conference on Distributed Event-Based Systems (DEBS), June 2016 - *Citations: 6 (Scopus) 14 (Google Scholar).*

6. Nicolò Rivetti, Emmanuelle Anceaume, Yann Busnel, Leonardo Querzoni, Bruno Sericola: Online Scheduling for Shuffle Grouping in Distributed Stream Processing Systems. ACM/IFIP/USENIX Middleware 2016 - *Citations: 8 (Scopus) 16 (Google Scholar)*

7. Fabio Petroni, Leonardo Querzoni, Roberto Beraldi, Mario Paolucci: LCBM: a fast and lightweight collaborative filtering algorithm for binary ratings. Journal of Systems and Software 117: 583-594, 2016 - *IF 2,444, Citations: 5 (Scopus) 10 (Google Scholar)*

8. Nicolò Rivetti, Leonardo Querzoni, Emmanuelle Anceaume, Yann Busnel, Bruno Sericola: Efficient key grouping for near-optimal load balancing in stream processing systems. In Proceedings of the 9th ACM International Conference on Distributed Event-Based Systems (DEBS), 2015 - *Citations: 22 (Scopus) 37 (Google Scholar)*

9. Fabio Petroni, Leonardo Querzoni, Khuzaima Daudjee, Shahin Kamali, Giorgio Iacoboni: HDRF: Stream-Based Partitioning for Power-Law Graphs. In Proceedings of the 24th ACM International Conference on Information and Knowledge Management (CIKM), 2015 - *Citations: 30 (Scopus) 50 (Google Scholar)*

10. Roberto Baldoni, Silvia Bonomi, Marco Platania, Leonardo Querzoni: Efficient notification ordering for geo-distributed pub/sub systems. IEEE Transactions on Computers, 64(10):2796–2808, 2015 - *IF 1,723, Citations: 3 (Scopus) 3 (Google Scholar)*

11. Leonardo Aniello, Leonardo Querzoni, Roberto Baldoni: High frequency batch-oriented computations over large sliding time windows. Future Generation Comp. Syst. 43-44: 1-11, 2015 - *IF 2,950, Citations: 2 (Scopus) 4 (Google Scholar)*

12. Fabio Petroni, Leonardo Querzoni: GASGD: stochastic gradient descent for distributed asynchronous matrix completion via graph partitioning. In Proceedings of the 8th ACM Conference on Recommender Systems (RecSys), pages 241-248, 2014 - *Citations: 16 (Scopus) 20 (Google Scholar)*

All reported citations have been extracted from Scopus and Google Scholar on 10 August 2019. Journal Impact Factors have been extracted from InCite (Clarivate Analytics) in the same date.

Part X – Other information

X.A – Technology transfer

- Leonardo Querzoni was **co-founders of Over Technologies S.p.A.** (www.overtechnologies.com), a spin-off of Università degli Studi di Roma "La Sapienza". Over Technologies was founded in September 2012 as an exploitation of the results from FP7 EU projects SM4All and GreenerBuildings. In summer 2014 it obtained a series A round of financing of 1M€ from public and private investors in Italy. On April 2014, for the event "New Frontiers for European Entrepreneurs - Stimulating Digital Entrepreneurship" (in the context of the recently launched initiative of the EU Innovation Radar) Over was identified as one

---

[1] Last available Impact Factor is from 2018.

of the 26 top innovators stemming from EU projects. Today Over Technologies is a successful S.p.A. with a client portfolio ranging several market sectors as banks, hotels and industries.

- Leonardo Querzoni is **co-author of the international patent** M. E. Marchisio, I. Pazzini, S. Ruffino, R. Baldoni, A. Milani, and L. Querzoni. Method and system for data management in a peer-to-peer network. Patent Internazionale, Assignee: Telecom Italia SpA. (submitted 31st December 2008, published 8th July 2010, Pub. No. WO/2010/075868, App. No. PCT/EP2008/011143), 2008.

X.B – Invited talks and tutorials

- "Infrastrutture critiche, controlli di sicurezza e nuove strategie di difesa" at *Banche e Sicurezza 2019* organized by Associazione Bancaria Italiana, 2019;
- "Framework Nazionale per la Cyber Security e la Data Protection" at *Cybersecurity-Day* organized by the University of Camerino, 2019
- "Cyber Security Assessment - Conoscere il livello di sicurezza informatica della propria azienda" at University of Verona within the event "La Sicurezza Informatica ai Tempi di Industria 4.0", 2018.
- "Sicurezza informatica nelle pubbliche amministrazioni e sviluppi futuri in vista di GDPR" at the municipality of Marsciano, 2018.
- "Un framework nazionale per la cyber security - Adozione e futuri sviluppi" at *ITASEC*, Milan, 2018.
- "Un framework nazionale per la cyber security" at the municipality of Civita Castellana, 2017.
- "Data Streaming and its Application to Stream Processing" tutorial at the *11th ACM International Conference on Distributed Event Based Systems*, 2017.
- "Perché la cybersecurity non è un argomento per tecnici ma riguarda ciascuno di noi" at Senato della Repubblica Italiana, 2016.
- "Efficient Notification Ordering for Geo-Distributed Pub/Sub Systems" at *Streaming Big Data and Publish/Subscribe Systems (Big-PubSub) Workshop*, 2016.
- "Un framework nazionale per la cyber security" at *ForumPA*, 2016.
- "Cloud-based Data Stream Processing" tutorial at the *8th ACM International Conference on Distributed Event Based Systems*, 2014.
- "Enhancing event-based messaging middleware for new large-scale sense-and-respond applications" at INRIA Rôhne-Alpes, 2011.
- "Smart Homes For All: An embedded middleware platform for pervasive and immersive environments for-All" at the *First European/US Workshop on Networked Monitoring & Control/Cyber-Physical Systems*, 2009.
- "Smart Homes For All: An embedded middleware platform for pervasive and immersive environments for-All" at *2nd Meeting of the Cluster of Monitoring and Control for Smart Buildings/Smart Spaces*, 2009.
- "Interest clustering techniques for efficient event routing in large-scale settings" tutorial at the 2nd ACM International Conference on Distributed Event Based Systems, 2008;
- "Techniques for efficient event routing in publish/subscribe systems" at Dipartimento di Scienze dell'Informazione, University of Bologna, 2007;
- "A Scalable P2P Architecture for Topic-based Event Dissemination" at IBM Research Haifa, 2007.
- "Subscription-Driven Self-Organization in Content-Based Publish/Subscribe" at Departamento de Lenguajes y Sistemas Informaticos e Ingeniería de Software, Universidad Politecnica de Madrid, 2005.

X.C – Participation to program committees

- Member of the program committee for the 4th IEEE International Workshop on Reliability and Security Data Analysis (RDSA), 2019.
- Co-chair of the program committee for the 13th ACM International Conference on Distributed Event-based Systems (DEBS), 2019.
- Member of the program committee for the 15th European Dependable Computing Conference (EDCC), 2019.
- Member of the demo track program committee for the 3rd Italian Conference on Cyber Security (ITASEC), 2019

- Member of the program committee for the 47th IEEE/IFIP International Conference on Dependable Systems and Networks (DSN), 2017.
- Member of the program committee for the 11th ACM International Conference on Distributed Event-based Systems (DEBS), 2017.
- Member of the demo track program committee for the 1st Italian Conference on Cyber Security (ITASEC), 2017
- Member of the program committee for the 46th IEEE/IFIP International Conference on Dependable Systems and Networks (DSN), 2016
- Member of the program committee for the 10th ACM International Conference on Distributed Event-based Systems (DEBS), 2016.
- Member of the program committee for the 3rd IEEE International Workshop on Reliability and Security Data Analysis (RSDA), 2016.
- Member of the program committee for the 31st ACM/SIGAPP Symposium On Applied Computing (SAC), 2016.
- Member of the program committee for the 17th IEEE Conference on Business Informatics (CBI), 2015.
- Member of the program committee for the 4th Workshop on Big Data Management in Clouds (BigDataCloud), 2015.
- Member of the program committee for the IEEE Services 2015 Visionary Track: Dependable and Secure Services (DSS) theme, 2015.
- Member of the program committee for the 9th ACM International Conference on Distributed Event-based Systems (DEBS), 2015.
- Member of the program committee for the 3rd Workshop on Big Data Management in Clouds (BigDataCloud), 2014.
- Member of the program committee for the 8th ACM International Conference on Distributed Event-based Systems (DEBS), 2014.
- Member of the program committee for the 1st International Workshop on Dependable Systems and Networks (MidDep), 2014.
- Member of the program committee for the 2nd IEEE International Workshop on Reliability and Security Data Analysis (RSDA), 2014.
- Member of the program committee for the 13th IEEE International Conference on Peer-to-Peer Computing (P2P), 2013.
- Member of the program committee for the 7th ACM International Conference on Distributed Event Based Systems (DEBS), 2013.
- Member of the program committee for the 16th International Conference On Principles Of DIstributed Systems (OPODIS), 2012.
- Member of the program committee for the 6th ACM International Conference on Distributed Event Based Systems (DEBS), 2012.
- Member of the program committee for the PhD Symposium at the 21st International World Wide Web Conference, 2012.
- Member of the program committee for the 3rd Workshop on Specialized Ad Hoc Networks and Systems (SAHNS), 2011.
- Member of the program committee for the 5th ACM International Conference on Distributed Event Based Systems (DEBS), 2011.
- Member of the program committee for the 31st International Conference on Distributed Computing Systems (ICDCS), 2011.
- Member of the program committee for the 13st European Workshop on Dependable Computing (EWDC), 2011.
- Member of the program committee for the First International workshop on Self-managing solutions for smart environments (S3E), 2011.

- Member of the program committee for the 4th ACM International Conference on Distributed Event Based Systems (DEBS), 2010.
- Member of the program committee for the 8th European Dependable Computing Conference (EDCC-8), 2010.
- Member of the program committee for the 39th IEEE/IFIP International Conference on Dependable Systems and Networks (DSN), 2009.
- Member of the program committee for the 3rd ACM International Conference on Distributed Event Based Systems (DEBS), 2009.
- Member of the program committee for the 3rd International Conference on Autonomic Computing and Communication Systems (Autonomics), 2009.
- Member of the program committee for the 2nd Workshop on Specialized Ad Hoc Networks and Systems (SAHNS), 2009.
- Member of the program committee for the First International Conference on Autonomic Computing and Communication Systems (Autonomics), 2007.
- Member of the program committee for the 1st Workshop on Specialized Ad Hoc Networks and Systems (SAHNS), 2007.

X.D – University services

- Since 2018 he is **responsible for quality assurance** in the Master of Science in Cybersecurity at Università degli Studi di Roma "La Sapienza".
- He was **part of the core team that organized *OpenDIAG* in 2014 and 2015**, an open-day event for prospective students interested in the activities carried out at the Department of computer control and management engineering Antonio Ruberti, Università degli Studi di Roma "La Sapienza".
- From 2013 to 2016 he was **elected as member of the Board of the Department** (Giunta di dipartimento) **and member of Board of the School** (Giunta di facoltà) at Università degli Studi di Roma "La Sapienza"
- Since 2008 he is **member of the board for the Ph.D. program in Engineering in Computer Science** at Università degli Studi di Roma "La Sapienza".
- Since 2017 he is **member of the quality assurance commission** (*Commissione di gestione dell'assicurazione qualità della didattica*) for the master and bachelor programs in engineering in computer science at Università degli Studi di Roma "La Sapienza".
- From 2015 to 2016 he was **member of the internal jury for the final test** (TestVCA) submitted to for students enrolled in the bachelor program "Laurea in Ingegneria Informatica e Automatica" at Università degli Studi di Roma "La Sapienza".
- From 2009 to 2015 he was **member of the internal jury for the discussion of the thesis for students enrolled in the bachelor program** "Laurea in Ingegneria Informatica e Automatica" at Università degli Studi di Roma "La Sapienza".
- In 2013 he was **member of the working group that revised the curriculum for the bachelor program** "Laurea in Ingegneria Informatica e Automatica" at Università degli Studi di Roma "La Sapienza".
- Member of *Commissione Infrastrutture e Sicurezza Informatica* (since 2013) at the Department of computer control and management engineering Antonio Ruberti, Università degli studi di Roma "La Sapienza". In this role he helped the technical team in designing and implementing a solution for managing power supply outages and in managing a transition toward isolated services for the web-based systems.
- Co-editor of the yearly department research report from 2008 to 2010 at the Department of computer control and management engineering Antonio Ruberti, Università degli studi di Roma "La Sapienza".

Part XI – Full publication list

XI.A – Journals

[JI-1]   F. Lombardi, A. Muti, L. Aniello, R. Baldoni, S. Bonomi, and L. Querzoni. PASCAL: An architecture for proactive auto-scaling of distributed services. To appear in Future Generation Computer Systems, 98:342–361, 2019.

[JI-2]   F. Lombardi, L. Aniello, S. Bonomi, and L. Querzoni. Elastic symbiotic scaling of operators and resources in stream processing systems. IEEE Transactions on Parallel and Distributed Systems, 29(3):572–585, 2018.

[JI-3]   F. Petroni, L. Querzoni, R. Beraldi, and M. Paolucci. Exploiting user feedback for online filtering in event-based systems. Future Generation Computer Systems, 71:202–211, 2017.

[JI-4]   F. Petroni, L. Querzoni, R. Beraldi, and M. Paolucci. LCBM: a fast and lightweight collaborative filtering algorithm for binary ratings. Journal of Systems and Software, 117:583–594, April 2016.

[JI-5]   R. Baldoni, S. Bonomi, M. Platania, and L. Querzoni. Efficient notification ordering for geo-distributed pub/sub systems. IEEE Transactions on Computers, 64(10):2796–2808, 2015.

[JI-6]   L. Aniello, L. Querzoni, and R. Baldoni. High frequency batch-oriented computations over large sliding time windows. Future Generation Computer Systems, 43-44:1–11, February 2015.

[JI-7]   R. Baldoni, S. Bonomi, A. Cerocchi, and L. Querzoni. Virtual tree: A robust architecture for interval valid queries in dynamic distributed systems. Journal of Parallel and Distributed Computing, 73(8):1135–1145, 2013.

[JI-8]   R. Baldoni, R. Beraldi, G. Lodi, M. Platania, and L. Querzoni. Supporting NGNs core software services: a hybrid architecture and its performance analysis. Journal of the Network and Systems Management, 20(2):181–199, June 2012.

[JI-9]   Y. Busnel, L. Querzoni, R. Baldoni, M. Bertier, and A.-M. Kermarrec. Analysis of deterministic tracking of multiple objects using a binary sensor network. ACM Transactions on Sensor Networks, 8(1):1–27, August 2011.

[JI-10]   C. Di Ciccio, M. Mecella, M. Caruso, V. Forte, E. Iacomussi, K. Rasch, L. Querzoni, G. Santucci, and G. Tino. The homes of tomorrow: Service composition and advanced user interfaces. ICST Transactions on Ambient Systems, 11(10), December 2011.

[JI-11]   R. Baldoni, S. Bonomi, G. Lodi, M. Platania, and L. Querzoni. Data dissemination supporting complex event pattern detection. International Journal on Next Generation Computing, 2(3), November 2011.

[JI-12]   R. Baldoni, R. Beraldi, G. Lodi, and L. Querzoni. Combining service-oriented and event-driven architectures for designing dependable systems. Foundations of Computing and Decision Sciences, 35(2):77–90, 2011.

[JI-13]   R. Baldoni, A. Corsaro, L. Querzoni, S. Scipioni, and S. T. Piergiovanni. Coupling-based algorithm for internal clock synchronization of large scale dynamic systems. IEEE Transactions on Parallel and Distributed Systems, 21(5):607 − 619, 2010.

[JI-14]   R. Beraldi, L. Querzoni, and R. Baldoni. Low hitting time random walks in wireless networks. Wireless Communications and Mobile Computing, 9(5):719–732, May 2009.

[JI-15]   R. Baldoni, S. Bonomi, L. Querzoni, and S. T. Piergiovanni. Investigating the existence and the regularity of logarithmic harary graphs. Theoretical Computer Science, 410(21- 23):2110–2121, February 2009.

[JI-16]   R. Baldoni, R. Jiménez-Peris, M. Patino-Martinez, L. Querzoni, and A. Virgillito. Dynamic quorums for DHT-based enterprise infrastructures. Journal of Parallel and Distributed Computing, 68(9):1235–1249, September 2008.

[JI-17]   P. Costa, V. Gramoli, M. Jelasity, G. P. Jesi, E. L. Merrer, A. Montresor, and L. Querzoni. Exploring the interdisciplinary connections of gossip-based systems. ACM SIGOPS Operating System Review - Special topic: Gossip-Based Computer Networking, 41(5):51–60, October 2007.

[JI-18]   R. Baldoni, R. Beraldi, L. Querzoni, and A. Virgillito. Efficient publish/subscribe through a self-organizing broker overlay and its application to SIENA. Computer Journal, 50(4):444–459, July 2007.

[JI-19]   R. Baldoni, R. Beraldi, and L. Querzoni. A hint-based probabilistic protocol for unicast communications in MANETs. Ad Hoc Networks, 4(5):547–566, September 2006.

[JI-20]   R. Baldoni, R. Beraldi, G. Cugola, M. Migliavacca, and L. Querzoni. Content-based routing in highly dynamic mobile ad hoc networks. International Journal of Pervasive Computing and Communications, 1(4):277–300, December 2005.

XI.B – Books

[B-21]   B. Chandramouli, B. Koldehofe, L. Querzoni, G. Salvaneschi, and V. Setty, editors. Procee- dings of the 13th ACM International Conference on Distributed and Event-Based Systems (DEBS). ACM, July 2019.

[B-22]   M. K. Aguilera, L. Querzoni, and M. Shapiro, editors. Proceedings of the 18th International Conference On Principles of Distributed Systems (OPODIS), volume 8878 of Lecture Notes in Computer Science. Springer, December 2014.

[B-23]   G. Ateniese, B. Crispo, and L. Querzoni, editors. Proceedings of the 1st International Workshop on Big Data Analytics for Security (DASec), in ICDCSW 2014. IEEE, July 2014.

[B-24]   L. Laura and L. Querzoni, editors. Proceedings of the 1st International International Workshop on Algorithms and Models for Distributed Event Processing. ACM, September 2011.

XI.C – Chapters in books

[BC-25]   M. Elingiusti, L. Aniello, L. Querzoni, and R. Baldoni. Pdf-malware detection: a survey and taxonomy of current techniques. In M. Conti, T. Dargahi, and A. Dehghantanha, edi- tors, Cyber Threat Intelligence, Advanced in Information Security, pages 169–191. Springer, 2018.

[BC-26]   R. Baldoni, L. Querzoni, S. Tarkoma, and A. Virgillito. Distributed event routing in publish/subscribe systems. In H. Miranda, L. Rodriguez, and B. Garbinato, editors, Middleware for Network Eccentric and Mobile Applications. Springer Berlin / Heidelberg, February 2009.

[BC-27]   M. Adorni, F. Arcelli, R. Baldoni, R. Beraldi, A. Limonta, M. Locatelli, P. Losi, C. Mar- chetti, A. Milani, L. Querzoni, C. Raibulet, M. Sarini, C. Simone, F. Tisato, S. T. Pier- giovanni, A. Virgillito, and G. Vizzari. Middleware and architectural reflection. In Mobile Information Systems, pages 81– 114. Springer, July 2006.

[BC-28]   A. Milani, L. Querzoni, and S. T. Piergiovanni. Data object storage in large scale distribu- ted systems. In Global Data Management, volume 8 of Emerging Communication: Studies in New Technologies and Practices in Communication. IOS Press, May 2006.

[BC-29]   A.Corsaro, L.Querzoni, S. Scipioni, S. T. Piergiovanni, and A. Virgillito. Quality of service in publish/subscribe middleware. In Global Data Management, volume 8 of Emerging Communication: Studies in New Technologies and Practices in Communication. IOS Press, May 2006.

XI.D – International conferences and workshops

[IC-30]   E. Petagna, G. Laurenza, C. Ciccotelli, and L. Querzoni. Peel the onion: Recognition of android apps behind the tor network. To appear in Proceedings of the 15th International Conference on Information Security Practice and Experience, 2019.

[IC-31]   L. Massarelli, G. A. Di Luna, F. Petroni, L. Querzoni, and R. Baldoni. SAFE: self- attentive function embeddings for binary similarity. In Proceedings of the 16th Conference on Detection of Intrusions and Malware Vulnerability Assessment (DIMVA), 2019.

[IC-32]   L. Massarelli, G. A. Di Luna, F. Petroni, L. Querzoni, and R. Baldoni. Investigating graph embedding neural networks with unsupervised features extraction for binary analysis. In Proceedings of the Workshop on Binary Analysis Research (BAR), 2019.

[IC-33]   L. Massarelli, L. Aniello, C. Ciccotelli, L. Querzoni, D. Ucci, and R. Baldoni. Android malware family classification based on resource consumption over time. In Proceedings of the 12th International Conference on Malicious and Unwanted Software, pages 31–38, 2017.

[IC-34]   G. Pitolli, L. Aniello, G. Laurenza, L. Querzoni, and R. Baldoni. Malware family identification with birch clustering. In Proceedings of the 51st International Carnahan Conference on Security Technology, 10 2017.

[IC-35] L. Querzoni and N. Rivetti. Data streaming and its application to stream processing: Tutorial. In Proceedings of the 11th ACM International Conference on Distributed Event-Based Systems (DEBS), pages 15–18, 07 2017.

[IC-36] N. Rivetti, E. Anceaume, Y. Busnel, L. Querzoni, and B. Sericola. Online scheduling for shuffle grouping in distributed stream processing systems. In Proceedings of the ACM/IFIP/USENIX Middleware Conference, 2016.

[IC-37] L. Aniello, C. Ciccotelli, M. Cinque, F. Frattini, L. Querzoni, and S. Russo. Automatic invariant selection for online anomaly detection. In Proceedings of the 35th International Conference on Computer Safety, Reliability and Security (SAFECOMP), 2016.

[IC-38] N. Rivetti, Y. Busnel, and L. Querzoni. Load-aware shedding in stream processing systems. In Proceedings of the 10th ACM International Conference on Distributed Event-Based Systems (DEBS), June 2016.

[IC-39] F. Petroni, L. Querzoni, R. Beraldi, and M. Paolucci. Exploiting User Feedback for Online Filtering in Event-based Systems. In Proceedings of the 31st ACM Symposium on Applied Computing (SAC), 4 2016.

[IC-40] F. Petroni, L. Querzoni, K. Daudjee, S. Kamali, and G. Iacoboni. HDRF: Stream-Based Partitioning for Power-Law Graphs. In Proceedings of the 24th ACM International Conference on Information and Knowledge Management (CIKM), 10 2015.

[IC-41] C. Ciccotelli, L. Aniello, F. Lombardi, L. Montanari, L. Querzoni, and R. Baldoni. NIRVANA: A Non-Intrusive Black-Box Monitoring Framework for Rack-level Fault Detection. In In Proceedings of the 21st IEEE Pacific Rim International Symposium on Dependable Computing (PRDC), 10 2015.

[IC-42] N. Rivetti, L. Querzoni, E. Anceaume, Y. Busnel, and B. Sericola. Efficient key grouping for near-optimal load balancing in stream processing systems. In Proceedings of the 9th ACM International Conference on Distributed Event-Based Systems (DEBS), June 2015.

[IC-43] F. Petroni and L. Querzoni. GASGD: stochastic gradient descent for distributed asynchronous matrix completion via graph partitioning. In Proceedings of the 8th ACM Conference on Recommender Systems (RecSys), pages 241–248, October 2014.

[IC-44] M. Caruso, M. Mecella, A. Cerocchi, V. Forte, L. Querzoni, and R. Baldoni. Energy management in smart spaces through the oplatform. In Proceedings of the 2nd International WorkShop on Energy-Aware Systems, Communications and Security (EASyCoSe), September 2014.

[IC-45] L. Aniello, A. Bondavalli, A. Ceccarelli, C. Ciccotelli, M. Cinque, F. Frattini, A. Guzzo, A. Pecchia, A. Pugliese, L. Querzoni, and S. Russo. Big data in critical infrastructures security monitoring: Challenges and opportunities. In Proceedings of EDCCW Big4CIP, volume abs/1405.0325, July 2014.

[IC-46] T. Heinze, L. Aniello, L. Querzoni, and Z. Jerzak. Cloud-based data stream processing. In Proceedings of the 8th ACM International Conference on Distributed Event-Based Systems (DEBS), pages 238–245, May 2014.

[IC-47] L. Aniello, R. Baldoni, C. Ciccotelli, G. A. D. Luna, F. Frontali, and L. Querzoni. The overlay scan attack: inferring topologies of distributed pub/sub systems through broker saturation. In Proceedings of the 8th ACM International Conference on Distributed Event-Based Systems (DEBS), pages 107–117, May 2014.

[IC-48] F. Petroni, L. Querzoni, R. Beraldi, and M. Paolucci. LCBM: statistics-based parallel collaborative filtering. In Proceedings of the 17th International Conference on Business Information Systems (BIS), pages 172–184, May 2014.

[IC-49] L. Aniello, R. Baldoni, and L. Querzoni. Adaptive online scheduling in storm. In Proceedings of the 7th ACM International Conference on Distributed Event-Based Systems (DEBS), July 2013.

[IC-50] L. Aniello, R. Baldoni, and L. Querzoni. Input data organization for batch processing in time window based computations. In Proceedings of the 28th ACM Symposium On Applied Computing (SAC), March 2013.

[IC-51] R. Baldoni, G. A. Di Luna, and L. Querzoni. Collaborative detection of coordinated port scans. In Proceedings of the 14th International Conference on Distributed Computing and Networking (ICDCN), pages 102–117. Springer Berlin Heidelberg, January 2013.

[IC-52] M. Caruso, M. Mecella, R. Baldoni, L. Querzoni, and A. Cerocchi. User profiling and micro-accounting for smart energy management. In Proceedings of the 11th ACM Conference on Embedded Networked Sensor Systems, 2013.

[IC-53] F. Petroni and L. Querzoni. HSIENA: A Hybrid Publish/Subscribe System. In Proccedings of the International Workshop on Dependable and Secure Computing for Large-Scale Complex Critical Infrastructures (DESEC4LCCI), September 2012.

[IC-54] R. Baldoni, S. Bonomi, M. Platania, and L. Querzoni. Dynamic message ordering for topic-based publish/subscribe systems. In Proceedings of the 26th IEEE International Parallel Distributed Processing Symposium, March 2012.

[IC-55] R. Baldoni, S. Bonomi, A. Cerocchi, and L. Querzoni. Virtual tree: a robust overlay network for ensuring interval valid queries in dynamic distributed systems. In Proceedings of the 13th International conference on distributed computing and networking, January 2012.

[IC-56] R. Beraldi, A. Cerocchi, F. Papale, and L. Querzoni. Brief announcement: Distributed self-organizing event space partitioning for content-based publish/subscribe systems. In Proceeding of the 13th International Symposium on Stabilization, Safety, and Security of Distributed Systems, September 2011.

[IC-57] R. Baldoni, M. Mecella, and L. Querzoni. Smart services for home automation: Open problems for concurrency and failure management. In Proceedings of the 5th International Conference on Pervasive Computing and Applications, December 2010.

[IC-58] R. Baldoni, R. Beraldi, G. Lodi, M. Platania, and L. Querzoni. Moving core services to the edge inngns for reducing managed infrastructure size. In Proceedings of the 6th International Conference on Networks and Services Management, 2010.

[IC-59] R. Baldoni, S. Bonomi, A. Cerocchi, and L. Querzoni. Improving validity of query answering in dynamic systems. In Proceedings of the 3rd International Workshop on Reliability, Availability, and Security, 2010.

[IC-60] R. Baldoni, M. Platania, L. Querzoni, and S. Scipioni. Practical uniform peer sampling under churn. In Proceedings of the 9th International Symposium on Parallel and Distributed Computing (ISPDC), Istanbul, Turkey, 2010, 2010.

[IC-61] R. Baldoni, S. Bonomi, G. Lodi, and L. Querzoni. Data dissemination supporting collaborative complex event processing: characteristics and open issues. In Proceedings of the 1st Workshop on Data Distribution for Large-Scale Complex Critical Infrastructures (DDLCCI), 2010.

[IC-62] R. Baldoni, A. Cerocchi, G. Lodi, L. Montanari, and L. Querzoni. Designing highly available repositories for heterogeneous sensor data in open home automation systems. In Proceedings of the 7th IFIP Workshop on Software Technologies for Future Embedded and Ubiquitous Systems (SEUS), November 2009.

[IC-63] R. Baldoni, R. Beraldi, M. Dominici, and L. Querzoni. Diffusing events through JMS on the Sun SPOT platform: a practical experience report. In Proceedings of the 3rd ACM International Conference on Distributed Event-Based Systems (DEBS), pages 1–2, New York, NY, USA, July 2009. ACM.

[IC-64] G. Lodi, L. Querzoni, R. Baldoni, M. Marchetti, M. Colajanni, V. Bortnikov, G. Chockler, E. Dekel, G. Laventman, and A. Roytman. Defending financial infrastructures through early warning systems: The intelligence cloud approach. In Proceedings of the 5th Annual Workshop on Cyber Security and Information Intelligence Research: Cyber Security and Information Intelligence Challenges and Strategies, 2009.

[IC-65] R. Baldoni, L. Doria, G. Lodi, and L. Querzoni. Managing reputation in contract-based distributed systems. In Proceedings of the 11th International Symposium on Distributed Objects, Middleware, and Applications (DOA), 2009.

[IC-66] M. Roy, F. Bonnet, L. Querzoni, S. Bonomi, M.-O. Killijian, and D. Powell. Geo-registers: an abstraction for spatial-based distributed computing. In Proceedings of the 12nd International Conference On Principles of Distributed Systems (OPODIS), Luxor, Egypt, pages 534–537, December 2008.

[IC-67] R. Baldoni, M. Platania, L. Querzoni, and S. Scipioni. A peer-to-peer filter-based algorithm for internal clock synchronization in presence of corrupted processes. In Proceedings of the 14th Pacific Rim International Symposium on Dependable Computing (PRDC), Taipei, Taiwan, November 2008.

[IC-68] R. Baldoni, L. Querzoni, and S. Scipioni. Event-based data dissemination on inter-administrative domains: a practical analysis. In Proceedings of the 12th IEEE International Workshop on Future Trends of Distributed Computing Systems (FTDCS), Kunming, China, October 2008.

[IC-69] R. Baldoni, S. Bonomi, L. Querzoni, and S. T. Piergiovanni. Investigating the existence and the regularity of logarithmic harary graphs. In Proceedings of the 27th International Symposium on Reliable Distributed Systems (SRDS), Naples, Italy, October 2008.

[IC-70] R. Baldoni, R. Jiménez-Peris, M. Patino-Martinez, L. Querzoni, and A. Virgillito. Harnessing the power of dhts to build dynamic quorums in large-scale enterprise infrastructures. In Proceedings of the 2nd International Large-Scale Distributed Systems and Middleware Workshop (LADIS), New York, USA, September 2008.

[IC-71] S. Scipioni, L. Querzoni, R. Baldoni, and S. T. Piergiovanni. A theoretical evaluation of peer-to-peer internal clock synchronization. In Proceedings of the 2nd International Conference on Autonomic Computing and Communication Systems (Autonomics), Turin, Italy, September 2008.

[IC-72] L. Querzoni. Interest clustering techniques for efficient event routing in large-scale settings. In Proceedings of the 2nd International Conference on Distributed Event-Based Systems (DEBS), Rome, Italy, July 2008.

[IC-73] Y. Busnel, L. Querzoni, R. Baldoni, M. Bertier, and A.-M. Kermarrec. On the deterministic tracking of moving objects with a binary sensor network. In Proceedings of the fourth IEEE International Conference on Distributed Computing in Sensor Systems (DCOSS), volume 5067, pages 46–59. Springer, June 2008.

[IC-74] M. Roy, M.-O. Killijian, S. TucIC-Piergiovanni, L. Querzoni, S. Bonomi, S. Scipioni, and F. Bonnet. Fada: Formalisms and algorithms for resilient services design in ambient systems. In Proceedings of the 7th European Dependable Computing Conference (EDCC) - Fast Abstracts Supplemental Volume, May 2008.

[IC-75] R. Baldoni, A. Corsaro, L. Querzoni, S. Scipioni, and S. T. Piergiovanni. An adaptive coupling-based algorithm for internal clock synchronization of large scale dynamic systems. In Proceedings of the 9th International Symposium on Distributed Objects and Applications (DOA), pages 701–716, November 2007.

[IC-76] R. Baldoni, R. Beraldi, V. Quéma, L. Querzoni, and S. T. Piergiovanni. Tera: Topic-based event routing for peer-to-peer architectures. In Proceedings of the 1st International Conference on Distributed Event Based Systems (DEBS), Toronto, Canada, July 2007.

[IC-77] R. Baldoni, S. Bonomi, L. Querzoni, A. Rippa, S. T. Piergiovanni, and A. Virgillito. Fighting erosion in dynamic large-scale overlay networks. In Proceedings of the 21st IEEE International Conference on Advanced Information Networking and Applications (AINA), January 2007.

[IC-78] R. Baldoni, G. Cortese, F. Morabito, L. Querzoni, S. T. Piergiovanni, and A. Virgillito. On the accuracy of event distribution lists for publish/subscribe. In Proceedings of the 5th International Workshop on Distributed Event-Based Systems (DEBS-06) - 26th IEEE International Conference on Distributed Computing Systems Workshops (ICDCSW), page 31, July 2006.

[IC-79] R. Baldoni, S. Bonomi, L. Querzoni, A. Rippa, S. T. Piergiovanni, and A. Virgillito. Evaluation of unstructured overlay maintenance protocols under churn. In Proceedings of the 1st International Workshop on Dynamic Distributed Systems (IWDDS-06) - Proceedings of the 26th IEEE International Conference Workshops on Distributed Computing Systems (ICDCSW), page 13, January 2006.

[IC-80]   R. Baldoni, R. Jimènez-Peris, M. Patino-Martinez, L. Querzoni, and A. Virgillito. Dynamic quorums for DHT-based P2P networks. In Proceedings of the 4th IEEE International Symposium on Network Computing and Applications (NCA), Cambridge, MA, USA, July 2005.

[IC-81]   R. Baldoni, R. Beraldi, and L. Querzoni. A hint-based probabilistic protocol for unicast communications in MANETs. In Proceedings of the 11th International Conference on Parallel and Distributed Systems (ICPADS), Fukuoka, Japan, July 2005.

[IC-82]   R. Baldoni, R. Beraldi, G. Cugola, M. Migliavacca, and L. Querzoni. Structure-less content-based routing in mobile ad hoc networks. In Proceedings of the 2nd International Conference on Pervasive Services (ICPS), Santorini, Greece, July 2005.

[IC-83]   R. Baldoni, E. Barbi, S. Cimmino, C. Marchetti, P. Papa, and L. Querzoni. A practical comparison between the TAO real-time event service and the Maestro/Ensemble group communication system. In Proceedings of the 6th International Symposium on Distributed Objects and Applications (DOA), Larnaca, Cyprus, volume 3291/2004, pages 1558–1570. Springer Berlin / Heidelberg, October 2004.

[IC-84]   L. Querzoni. A self-healing network for content-based publish/subscribe systems. In Student Forum supplemental volume for the 34th International Conference on Dependable Systems and Networks (DSN), June 2004.

[IC-85]   R. Baldoni, R. Beraldi, L. Querzoni, and A. Virgillito. A self-organizing crash-resilient topology management system for content-based publish/subscribe. In Proceedings of the 3rd International Workshop on Distributed Event-Based Systems (DEBS), Edinburgh, Scotland, UK, May 2004.

[IC-86]   R. Baldoni, R. Beraldi, L. Querzoni, and A. Virgillito. Subscription-driven self-organization in content-based publish/subscribe. In Proceedings of the 1st International Conference on Autonomic Computing (ICAC), New York, USA, May 2004.

XI.E – These

[T-87]   L. Querzoni. Techniques for Efficient Event Routing. PhD thesis, Dipartimento di Informatica e Sistemistica "A. Ruberti", Università di Roma "La Sapienza", March 2007.

[T-88]   L. Querzoni. Progetto e simulazione di un sistema di comunicazione content based publish/subscribe. Tesi di laurea, Dipartimento di Informatica e Sistemistica "A. Ruberti", Università di Roma "La Sapienza", July 2003.

XI.F – Patents

[P-89]   M. E. Marchisio, I. Pazzini, S. Ruffino, R. Baldoni, A. Milani, and L. Querzoni. Method and system for data management in a peer-to-peer network. International Patent, Assignee: Telecom Italia SpA. (submitted 31st December 2008, published 8th July 2010, Pub. No. WO/2010/075868, App. No. PCT/EP2008/011143), 2008.

XI.G – Other publications

[O-90]   L. Massarelli, G. A. Di Luna, F. Petroni, L. Querzoni, and R. Baldoni. YARASAFE: Automatic binary function similarity checks with YARA. *BlackHat USA Arsenal* (https://www.blackhat.com/us-19/arsenal/schedule/index.html# yarasafe-automatic-binary-function-similarity-checks-with-yara-15484), 2019

DICHIARAZIONI SOSTITUTIVE DI CERTIFICAZIONE E DELL'ATTO DI NOTORIETA' AI SENSI DEGLI ARTT. 46 E 47 DEL D.P.R. 28 DICEMBRE 2000, N. 445.

Il sottoscritto Leonardo Querzoni, nato a Roma (prov. RM) il 14 Aprile 1975 e residente in Roma, Via Lucrino 41, consapevole delle sanzioni penali nel caso di dichiarazioni non veritiere, di formazione o uso di atti falsi, richiamate dall'art. 76 del D.P.R. 28 dicembre 2000 n. 445,

DICHIARA

- di essere in possesso dei titoli e delle pubblicazioni riportate nel Curriculum Vitae allegato;
- che ogni contenuto relativo a titoli, pubblicazioni e attività svolte nel Curriculum Vitae allegato è conforme al vero

Roma, 11 Agosto 2019

Il Dichiarante
Leonardo Querzoni

Autorizzo il trattamento dei dati personali contenuti nel mio curriculum vitae ai sensi dell'art. 13 del D. Lgs. 196/2003 e successive modificazioni

Il Dichiarante
Leonardo Querzoni