

PERSONAL INFORMATION

Riccardo Lancellotti



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Gender M | Date of birth 11 Feb. 1976 | Nationality Italian

POSITIONS

- 2019 – Associate professor at University of Modena e Reggio Emilia
- 2005 – 2018 Researcher at University of Modena e Reggio Emilia
- 2004 Post-doc grant at University of Modena e Reggio Emilia
- 2003 Visiting researcher for 6 months at IBM T.J. Watson Research Center, Yorktown Heights, NY, USA, under the supervision of Dr. Philip Yu

STUDIES

- 2001-03 Ph.D (XVI ciclo) Automation and Information Engineering, University of Rome “Tor Vergata”
- 1995-2000 Laurea degree in Computer Engineering at University of Modena e Reggio Emilia

TECHNICAL AND MANAGEMENT EXPERIENCE

- Unix/Linux systems
 - Use of Unix/Linux as the main development and research platform since 1996
 - Development of kernel modules
 - Proposal of patches included in Open source projects such as *Evolution* and *Gedit*
- Networking protocols
 - Teacher in computer networks courses since 2004
 - Research in the fields of computer networking and distributed systems since 2002
- Cyber security
 - Participant to 5 international projects in the field of cyber security
- Project management
 - Principal investigator/Research unit coordinator in 10 projects

RESEARCH ACTIVITY

- Current research topics
 - Fog/Edge Computing
 - Cloud e Multi-Cloud systems
 - Software-Defined Data Center
 - Cyber security
- Past research topics
 - Performance evaluation of multi-tier Web systems
 - Social Network analysis
 - Ubiquitous Web/Ubiquitous computing
 - Peer-to-Peer systems
 - Cooperative Web Caching
 - Content Delivery Networks

RESEARCH PROJECTS

- 2024 “CDMH” with Doxee – [Research unit coordinator](#)
- 2024 “iX studio” with Doxee – [Research unit coordinator](#)
- 2023 “DISSEM: DISSEM - Data-driven IT Services for Sustainable and Efficient Manufacturing” PR-FESR Regione Emilia Romagna – [Research unit coordinator](#)
- 2023 “ESCALATION: sEecure and SCALable cLoud bAsed opTImizatiON” PR-FESR Regione Emilia Romagna – [Principal investigator](#)
- 2023 “Headlight” with Doxee – [Research unit coordinator](#)

- 2020 “Miglioramento di processo produttivo ceramico mediante controllo di qualità e ottimizzazione delle lavorazioni” with Polis ceramics – [Principal investigator](#)
- 2020 “Digital Experience Platform” with Doxee – [Research unit coordinator](#)
- 2018 SECREDAS: “Product Security for Cross Domain Reliable Dependable Automated Systems”. EU grant H2020-EU.2.1.1.7. - ECSEL no. 783119
- 2018 “Dimensionamento di una CDN per il delivery di contenuti multimediali” with 47Deck (Reggio Emilia) – [Principal investigator](#)
- 2016 – 2019 EQUAL-IST: “Gender Equality Plans for Information Sciences and Technology Research Institutions”. EU grant agreement H2020-GERI-2015-1 no. 710549
- 2010 – 2012 SterilMed: “New production process for medical bags based on RF-sterilization and ICT-based plant”. EU grant EUROSTARS-EUREKA programme – [Research unit coordinator](#)
- 2010 – 2012 VIRTUOSO: “Versatile Information Toolkit for end-users oriented open-sources Exploitation”. EU, Grant agreement FP7-SEC-2009 no. 242352
- 2010 – 2011 ScalaServ: “Scalable and robust architectures for supporting advanced network-based services”. Grant “Italy-Spain Integrated Actions”
- 2010 – 2011 THIS: “Transport Hub Intelligent video System”. EU grant agreement no. JLS/2009/CIPS/AG/C1-028 in the framework of the program "Prevention, Preparedness and Consequence Management of Terrorism and other Security related Risks"
- 2010 – 2011 DOTS-LCCI: “Dependable Off-The-Shelf based middleware systems for Large-scale Complex Critical Infrastructures”. Grant MIUR (PRIN programme)
- 2009 – 2011 Tixoform. Grant Industria 2015
- 2009 – 2011 ITaste. Grant Industria 2015
- 2009 – 2011 COMIFIN: “Communication Middleware for Monitoring Financial Critical Infrastructures”. EU grant agreement FP7-ICT-SEC-2008 no. 225407
- 2007 “Training of crisis and security managers” EU grant FP7 ICT-SEC-2007-1.0-02
- 2007 – 2008 “Sviluppo di un software di raccolta ed elaborazione dati per centraline di controllo atmosferico”, with MTX (Modena)
- 2006 – 2007 “Sviluppo di un backend open source per il software gestionale MetoPack basato su BerkeleyDB e RPC”, with Metodo (Modena)
- 2006 “Sviluppo e ottimizzazione di un sistemi GNU/Linux per controllare macchine da imballaggio”, with Awax (Vignola)
- 2005 – 2006 “Sviluppo dell’infrastruttura middleware per la gestione di processi documentali”, with eBilling di Modena, Bando Ricerca Industriale 2005/06;
- 2002 – 2005 “Valutazione delle prestazioni dei sistemi complessi: Tecniche, Metodologie e Strumenti” (PERF), FIRB programme
- 2002 – 2005 “Middleware per servizi evoluti su sistemi distribuiti wired-wireless di grandi dimensioni” (WEB-MINDS), FIRB programme
- 2003 “Advanced architectures for high performance Web systems and services”, IBM Research, T.J. Watson Research Center, NY, USA, 2003
- 2001-2003 “Sistemi ad alte prestazioni ed infrastrutture di rete per l’accessibilità al Web”, MIUR COFIN

TEACHING ACTIVITY

- 2022/23 – Master course: Sistemi e Applicazioni Cloud
- 2018/19 – 2021/22 Master course: Mobile and Distributed Applications
- 2018/19 – 2019/20 Master course: Web and Mobile Applications
- 2013/14 – 2017/18 Master course: Distributed Web Applications
- 2008/09 – 2012/13 Master course module: Network systems and Applications
- 2010/11 – Bachelor course: Computer networks and lab
- 2008/09 – 2009/10 Bachelor course: Computer networks
- 2004/05 – 2009/10 Bachelor course: Computer networks laboratory
- 2005/06 – 2007/08 Bachelor course: Fundamentals of computer science

2005 Ph.D. course: Performance Evaluation and Modeling (Università Carlos III di Madrid)

SCIENTIFIC PUBLICATIONS: JOURNALS

Journal papers: 30 papers in international journals

- 2024 – Cavecchia, Mirko; ALVES DE QUEIROZ, Thiago; Iori, Manuel; Lancellotti, Riccardo; Zucchi, Giorgio, “An Optimization-Based Decision Support System for Multi-trip Vehicle Routing Problems” SN COMPUTER SCIENCE
- 2023 – Canali, C.; Gazzotti, C.; Lancellotti, R.; Schena, F., “Placement of IoT Microservices in Fog Computing Systems: A Comparison of Heuristics” ALGORITHMS
- Canali, C.; Di Modica, G.; Lancellotti, R.; Rossi, S.; Scotece, D., “A Validated Performance Model for Micro-services Placement in Fog Systems” SN COMPUTER SCIENCE
- 2022 – Beraldi, R.; Canali, C.; Lancellotti, R.; Mattia, G. P., “On the impact of stale information on distributed online load balancing protocols for edge computing” COMPUTER NETWORKS
- 2021 – Ardagna, Danilo; Ciavotta, Michele; Lancellotti, Riccardo; Guerriero, Michele, “A Hierarchical Receding Horizon Algorithm for QoS-driven control of Multi-IaaS Applications” IEEE TRANSACTIONS ON CLOUD COMPUTING
- 2020 – Beraldi, R.; Canali, C.; Lancellotti, R.; Mattia, G. P., “Distributed load balancing for heterogeneous fog computing infrastructures in smart cities” PERVASIVE AND MOBILE COMPUTING
- Shojafar, Mohammad; Canali, Claudia; Lancellotti, Riccardo; Abawajy, Jemal, “Adaptive Computing-plus-Communication Optimization Framework for Multimedia Processing in Cloud Systems” IEEE TRANSACTIONS ON CLOUD COMPUTING
- 2019 – Canali, C.; Lancellotti, R., “GASP: Genetic algorithms for service placement in fog computing systems” ALGORITHMS
- Canali, Claudia; Lancellotti, Riccardo, “AGATE: Adaptive Gray Area-based TEchnique to Cluster Virtual Machines with Similar Behavior” IEEE TRANSACTIONS ON CLOUD COMPUTING
- 2018 – Canali, Claudia; Corbelli, Andrea; Lancellotti, Riccardo, “On private CDNs with off-sourced network infrastructures: A model and a case study” JOURNAL OF COMMUNICATION SOFTWARE AND SYSTEMS
- Ardagna, Danilo; Canali, Claudia; Lancellotti, Riccardo, “Special issue on algorithms for the resource management of large scale infrastructures” ALGORITHMS
- Chiaraviglio, Luca; D’Andreagiovanni, Fabio; Lancellotti, Riccardo; Shojafar, Mohammad; Blefari Melazzi, Nicola; Canali, Claudia, “An Approach to Balance Maintenance Costs and Electricity Consumption in Cloud Data Centers” IEEE TRANSACTIONS ON SUSTAINABLE COMPUTING
- Canali, Claudia; Chiaraviglio, Luca; Lancellotti, Riccardo; Shojafar, Mohammad, “Joint Minimization of the Energy Costs from Computing, Data Transmission, and Migrations in Cloud Data Centers” IEEE TRANSACTIONS ON GREEN COMMUNICATIONS AND NETWORKING
- 2017 – Canali, Claudia; Lancellotti, Riccardo, “Scalable and automatic virtual machines placement based on behavioral similarities” COMPUTING
- 2016 – Canali, Claudia; Lancellotti, Riccardo, “A comparison of techniques to detect similarities in cloud virtual machines” INTERNATIONAL JOURNAL OF GRID AND UTILITY COMPUTING
- 2015 – Canali, Claudia; Lancellotti, Riccardo, “Parameter tuning for scalable multi-resource server consolidation in cloud systems” JOURNAL OF COMMUNICATION SOFTWARE AND SYSTEMS
- 2014 – Canali, Claudia; Lancellotti, Riccardo, “Exploiting ensemble techniques for automatic virtual machine clustering in cloud systems” AUTOMATED SOFTWARE ENGINEERING
- Lancellotti, Riccardo; Canali, Claudia, “Detecting Similarities in Virtual Machine Behavior for Cloud Monitoring using Smoothed Histograms” JOURNAL OF PARALLEL AND DISTRIBUTED COMPUTING
- Canali, Claudia; Lancellotti, Riccardo, “Improving scalability of cloud monitoring through PCA-based Clustering of Virtual Machines” JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY
- 2013 – Canali, Claudia; Colajanni, Michele; Lancellotti, Riccardo, “Algorithms for Web Service Selection with Static and Dynamic Requirements” SERVICE ORIENTED COMPUTING AND APPLICATIONS

- 2012 – Canali, Claudia; Lancellotti, Riccardo, “Automated Clustering of Virtual Machines based on Correlation of Resource Usage” JOURNAL OF COMMUNICATION SOFTWARE AND SYSTEMS
- Canali, Claudia; Lancellotti, Riccardo, “A quantitative methodology based on component analysis to identify key users in social networks” INTERNATIONAL JOURNAL OF SOCIAL NETWORK MINING
- 2010 – Canali, Claudia; Colajanni, Michele; Lancellotti, Riccardo, “Resource Management Strategies for the Mobile Web” MOBILE NETWORKS AND APPLICATIONS
- Canali, Claudia; Colajanni, Michele; Lancellotti, Riccardo, “A two-level distributed architecture for the support of content adaptation and delivery services” CLUSTER COMPUTING
- 2009 – Canali, Claudia; Colajanni, Michele; Lancellotti, Riccardo, “Performance Evolution of Mobile Web-Based Services” IEEE INTERNET COMPUTING
- 2007 – Poggi, M. E.; Casalicchio, E.; Lancellotti, Riccardo, “A Simulation Framework for Cluster-based Web services” INTERNATIONAL JOURNAL OF SIMULATION: SYSTEMS, SCIENCE & TECHNOLOGY
- 2006 – Canali, Claudia; Cardellini, V.; Lancellotti, Riccardo, “Content Adaptation Architectures Based on Squid Proxy Server” WORLD WIDE WEB JOURNAL
- 2005 – Lancellotti, Riccardo; Mazzoni, Francesca; Colajanni, Michele, “Hybrid cooperative schemes for scalable and stable performance of Web content delivery” COMPUTER NETWORKS
- 2004 – Andreolini, Mauro; Colajanni, Michele; Lancellotti, Riccardo; Mazzoni, F., “Fine grain performance evaluation of e-commerce sites” PERFORMANCE EVALUATION REVIEW
- Colajanni, Michele; Lancellotti, Riccardo, “System architectures for Web content adaptation services” IEEE DISTRIBUTED SYSTEMS ONLINE

SCIENTIFIC PUBLICATIONS:**BOOKS**

Book chapters: 9 book chapters

- 2021 – de Queiroz, Thiago Alves; Canali, Claudia; Iori, Manuel; Lancellotti, Riccardo, “An Optimization View to the Design of Edge Computing Infrastructures for IoT Applications”
- 2020 – Bicocchi, N.; Canali, C.; Lancellotti, R., “Smart cities in the fog: Clearing the vision of innovative sensing applications”
- Canali, C.; Lancellotti, R., “Data Flows Mapping in Fog Computing Infrastructures Using Evolutionary Inspired Heuristic”
- 2019 – Bicocchi, N.; Canali, C.; Lancellotti, R., “A Technique to Identify Data Exchange Between Cloud Virtual Machines”
- 2011 – Canali, Claudia; Colajanni, Michele; Lancellotti, Riccardo, “Technological solutions to support Mobile Web 2.0 services”
- 2008 – Canali, Claudia; Cardellini, V.; Colajanni, Michele; Lancellotti, Riccardo, “Content Delivery and Management”
- 2006 – Andreolini, Mauro; Colajanni, Michele; Lancellotti, Riccardo, “Web System Reliability and Performance”
- 2005 – Andreolini, Mauro; Colajanni, Michele; Lancellotti, Riccardo, “Web system reliability and performance: design and testing methodologies”
- Colajanni, Michele; Lancellotti, Riccardo; Yu, P. S., “Distributed architectures for Web content adaptation and delivery”

SCIENTIFIC PUBLICATIONS:**CONFERENCES**

Conference papers 67 papers in international conferences, 1 paper award winner

- 2023 – Cavecchia, Mirko; ALVES DE QUEIROZ, Thiago; Iori, Manuel; Lancellotti, Riccardo; Zucchi, Giorgio, “A Decision Support System for Multi-Trip Vehicle Routing Problems” 25th International Conference on Enterprise Information Systems, ICEIS 2023, (Prague, Czech Republic, 24 - 26 April, 2023)

- 2022 – Canali, C.; Lancellotti, R.; Pedroni, P., “Microservice Performance in Container- and Function-as-a-Service Architectures” 30th International Conference on Software, Telecommunications and Computer Networks, SoftCOM 2022, (Split, Croatia, 2022)
- Lancellotti, R.; Rossi, S.; Miano, G. C.; Miselli, F., “Performance Comparison of Technological Solutions for Spark Applications in AWS” 30th International Conference on Software, Telecommunications and Computer Networks, SoftCOM 2022, (Split, Croatia, 2022)
- Canali, C.; Di Modica, G.; Lancellotti, R.; Scotece, D., “Optimal Placement of Micro-services Chains in a Fog Infrastructure” 12th International Conference on Cloud Computing and Services Science, CLOSER 2022, (online streaming, APR 27-29, 2022)
- 2021 – Canali, C.; Lancellotti, R.; Rossi, S., “Impact of theoretical performance models on the design of fog computing infrastructures” 20th IEEE International Symposium on Network Computing and Applications, NCA 2021, (usa, 2021)
- Alves de Queiroz, T.; Canali, C.; Iori, M.; Lancellotti, R., “A Variable Neighborhood Heuristic for Facility Locations in Fog Computing” 8th International Conference on Variable Neighborhood Search, ICVNS 2021, (are, 2021)
- 2020 – Canali, C.; Lancellotti, R.; Mione, S., “Collaboration Strategies for Fog Computing under Heterogeneous Network-bound Scenarios” 19th IEEE International Symposium on Network Computing and Applications, NCA 2020, (usa, 2020)
- Beraldi, R.; Canali, C.; Lancellotti, R.; Mattia, G. P., “Randomized Load Balancing under Loosely Correlated State Information in Fog Computing” 23rd ACM International Conference on Modelling, Analysis, and Simulation of Wireless and Mobile Systems, MSWiM 2020, (esp, 2020)
- Beraldi, R.; Canali, C.; Lancellotti, R.; Mattia, G. P., “A Random Walk based Load Balancing Algorithm for Fog Computing” 5th International Conference on Fog and Mobile Edge Computing, FMEC 2020, (Paris, France, 2020)
- De Queiroz, T. A.; Canali, C.; Iori, M.; Lancellotti, R., “A Location-allocation model for fog computing infrastructures” 10th International Conference on Cloud Computing and Services Science, CLOSER 2020, (Online event due to COVID pandemic, 7-9 may 2020)
- 2019 – Stefanini, M.; Lancellotti, R.; Baraldi, L.; Calderara, S., “A Deep-learning-based approach to VM behavior Identification in Cloud Systems” 9th International Conference on Cloud Computing and Services Science (CLOSER 2019), (Heraklion, Greece, May, 2019)
- Canali, C.; Lancellotti, R., “A fog computing service placement for smart cities based on genetic algorithms” 9th International Conference on Cloud Computing and Services Science, CLOSER 2019, (grc, 2019)
- Canali, C.; Lancellotti, R., “PAFFI: Performance Analysis Framework for Fog Infrastructures in realistic scenarios” 4th International Conference on Computing, Communications and Security, ICCCS 2019, (ita, 2019)
- 2018 – Canali, Claudia; Corbelli, Andrea; Lancellotti, Riccardo, “Designing a private CDN with an off-sourced network infrastructure: model and case study” 26th International Conference on Software, Telecommunications and Computer Networks (SoftCOM 2018), (Split - Supetar, Croatia, Sept, 13-15)
- Canali, Claudia; Lancellotti, Riccardo; Shojafar, Mohammad, “An Optimization Model to Reduce Energy Consumption in Software-Defined Data Centers” , (,)
- 2017 – Chiaraviglio, Luca; Blefari-Melazzi, Nicola; Canali, Claudia; Cuomo, Francesca; Lancellotti, Riccardo; Shojafar, Mohammad, “A measurement-based analysis of temperature variations introduced by power management on Commodity HardWare” 19th International Conference on Transparent Optical Networks, ICTON 2017, (esp, 2017)
- Canali, Claudia; Lancellotti, Riccardo; Shojafar, Mohammad, “A Computation- and Network-Aware Energy Optimization Model for Virtual Machines Allocation” CLOSER 2017 : 7th International Conference on Cloud Computing and Services Science, (Porto (Portugal), Apr 24, 2017 - Apr 26, 2017)
- Canali, Claudia; Lancellotti, Riccardo, “Identifying Communication Patterns between Virtual Machines in Software-Defined Data Centers” , (,)
- Canali, Claudia; Lancellotti, Riccardo, “A Correlation-based Methodology to Infer Communication Patterns between Cloud Virtual Machines” 10th EAI International Conference on Performance Evaluation Methodologies and Tools, ValueTools 2016, (ita, OCTOBER 25–28, 2016)

- 2016 – Shojafar, Mohammad; Canali, Claudia; Lancellotti, Riccardo; Baccarelli, Enzo, “Minimizing computing-plus-communication energy consumptions in virtualized networked data centers” 2016 IEEE Symposium on Computers and Communication, ISCC, (Messina, 27 June 2016 through 1 July 2016)
- Shojafar, Mohammad; Canali, Claudia; Lancellotti, Riccardo; Abolfazli, Saeid, “An energy-aware scheduling algorithm in DVFS-Enabled Networked Data Centers” 6th International Conference on Cloud Computing and Services Science, CLOSER 2016, (Rome Italy, April 23-25, 2016)
- 2015 – Andreolini, M.; Pietri, M.; Tosi, S.; Lancellotti, R., “A scalable monitor for large systems” International Conference in Cloud Computing and Services Sciences, CLOSER 2014, (esp, 2014)
- Canali, Claudia; Lancellotti, Riccardo, “Automatic parameter tuning for Class-Based Virtual Machine Placement in cloud infrastructures” 23rd International Conference on Software, Telecommunications and Computer Networks, SoftCOM 2015, (Split - Bol (Island of Brae), Croatia, September 16 - 18, 2015)
- Canali, Claudia; Lancellotti, Riccardo, “Exploiting Classes of Virtual Machines for Scalable IaaS Cloud Management” IEEE 4th Symposium on Network Cloud Computing and Applications, (Garching, Munich, 11-12 June 2015)
- Canali, Claudia; Lancellotti, Riccardo, “A Class-based Virtual Machine Placement Technique for a Greener Cloud” 4th International Conference on Green It Solutions (ICGREEN 2015), (Milano, 6 July 2015)
- 2014 – Ardagna, Danilo; Ciavotta, Michele; Lancellotti, Riccardo, “A Receding Horizon Approach for the Runtime Management of IaaS Cloud Systems” 16th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, SYNASC 2014, (Timisoara (Romania), 22-25 September 2014)
- Canali, Claudia; Lancellotti, Riccardo, “Balancing Accuracy and Execution Time for Similar Virtual Machines Identification in IaaS Cloud” 23rd IEEE International WETICE Conference, WETICE 2014, (Parma, Italy, June 2014)
- Canali, Claudia; Lancellotti, Riccardo, “An Adaptive Technique to Model Virtual Machine Behavior for Scalable Cloud Monitoring” International Symposium on Computers and Communications, (Madeira, Portugal, June 2014) [Best Paper Award](#)
- 2013 – Canali, Claudia; Lancellotti, Riccardo, “Automatic virtual machine clustering based on bhattacharyya distance for multi-cloud systems” 2013 International Workshop on Multi-Cloud Applications and Federated Clouds, MultiCloud 2013, (Prague, cze, April 2013)
- 2012 – Canali, Claudia; Lancellotti, Riccardo, “Automated clustering of VMs for scalable cloud monitoring and management” 2012 20th International Conference on Software, Telecommunications and Computer Networks, SoftCOM 2012, (Spalato, Croazia, 11-13 Settembre 2012)
- 2011 – Andreolini, Mauro; Colajanni, Michele; Lancellotti, Riccardo, “Assessing the overhead and scalability of system monitors for large data centers” 1st International Workshop on Cloud Computing Platforms, CloudCP 2011, (Salzburg, AT, 10/04/2011)
- Lancellotti, Riccardo; Andreolini, Mauro; Canali, Claudia; Colajanni, Michele, “Dynamic request management algorithms for Web-based services in cloud computing” 35th Annual IEEE International Computer Software and Applications Conference, COMPSAC 2011, (Munich, deu, July 2011)
- Canali, Claudia; Colajanni, Michele; Lancellotti, Riccardo, “Data Acquisition in Social Networks: Issues and Proposals” Services and Open Source - SOS'2011 - co-located with EGC 2011, (Brest, FR, 25/1/2011)
- 2010 – Canali, Claudia; Casolari, Sara; Lancellotti, Riccardo, “A quantitative methodology to identify relevant users in social networks” 2010 IEEE International Workshop on Business Applications of Social Network Analysis, BASNA 2010, (Bangalore, ind, 15-17/12/2010)
- Canali, Claudia; Colajanni, Michele; Lancellotti, Riccardo, “Adaptive algorithms for efficient content management in social network services” 10th Int'l conference on computer and information technology (CIT-2010), (Bradford UK, 29 June - 1 July 2010)
- Canali, Claudia; Colajanni, Michele; Lancellotti, Riccardo, “Characteristics and evolution of content popularity and user relations in social networks” IEEE Symposium on Computers and Communications (ISCC'10), (Riccione, Italy, June 2010)
- 2009 – Canali, Claudia; Colajanni, Michele; Lancellotti, Riccardo, “Hot set identification for social network applications” 2009 33rd Annual IEEE International Computer Software and Applications Conference, COMPSAC 2009, (Seattle, WA, usa, July 20-July 24 2009)
- Andreolini, Mauro; Lancellotti, Riccardo, “A flexible and robust lookup algorithm for P2P systems” 23rd IEEE International Parallel and Distributed Processing Symposium, IPDPS 2009, (Rome, ita, May 2009)

- 2008 – Canali, C.; Garcia, J. D.; Lancellotti, R., “Impact of social networking services on the performance and scalability of web server infrastructures” 7th IEEE International Symposium on Networking Computing and Applications, NCA 2008, (Cambridge, MA, usa, 2008)
- Andreolini, Mauro; Colajanni, Michele; Lancellotti, Riccardo, “Impact of technology trends on the performance of current and future Web-based systems” Next Generation Web Services Practices, 2005. NWeSP 2005. International Conference on, (seul, 2008)
- Canali, Claudia; Colajanni, Michele; Lancellotti, Riccardo, “Resource management strategies for Mobile Web-based services” 4th IEEE International Conference on Wireless and Mobile Computing, Networking and Communication, WiMob 2008, (Avignon, fra, October 2008)
- Canali, Claudia; Lancellotti, Riccardo; Sanchez, J., “Impact of Social Networking Services on Performance and Scalability of Web Server Infrastructures” 7th IEEE International Symposium on Network Computing and Applications (NCA’08), (Cambridge, MA, July 2008)
- 2007 – Canali, Claudia; Colajanni, Michele; Lancellotti, Riccardo; Yu, P. S., “A distributed infrastructure supporting personalized services for the Mobile Web” 3rd IEEE International Conference on Wireless and Mobile Computing, Networking and Comm. (WIMOB 2007), (White Plains, NY, USA, October 8-10, 2007)
- Andreolini, Mauro; Canali, Claudia; Lancellotti, Riccardo, “Impact of request dispatching granularity in geographically distributed Web systems” 6th IEEE International Symposium on Network Computing and Applications, NCA 2007, (Cambridge, MA, usa, July 2007)
- 2006 – Canali, C.; Lancellotti, R., “A distributed architecture to support infomobility services” 2nd International Workshop on Advanced Architectures and Algorithms for Internet Delivery and Applications, (Pisa, ita, 2006)
- Canali, Claudia; Colajanni, Michele; Lancellotti, Riccardo, “Distributed architectures for high performance and privacy-aware content generation and delivery” 2nd International Conference on Automated Production of Cross Media Content for Multi-Channel Distribution, AXMEDIS 2006, (Leeds, gbr, December 2006)
- Canali, Claudia; Lancellotti, Riccardo, “A distributed architecture to support infomobility services” Int’l Workshop on Advanced Architectures and Algorithms for Internet Delivery and Apps (AAA-IDEA), (Pisa, Italy, October 2006)
- Canali, Claudia; Colajanni, Michele; Lancellotti, Riccardo, “Distribution of adaptation services for Ubiquitous Web access driven by user profile” 11th IEEE Symposium on Computers and Communications, ISCC 2006, (Cagliari, Italy, June 2006)
- Colajanni, Michele; Lancellotti, Riccardo; Yu, P. S., “Scalable architectures and services for ubiquitous Web access” World Wide Web 2006, (Edinburgh, Scotland, May 2006)
- 2005 – Andreolini, Mauro; Colajanni, Michele; Lancellotti, Riccardo, “Impact of memory technology trends on performance of Web systems” International Conference on Next Generation Web Services Practices, NWeSP 2005, (Seoul, kor, 2005-August)
- Canali, Claudia; Cardellini, V; Colajanni, Michele; Lancellotti, Riccardo; Yu, P. S., “A Two-level Distributed Architecture for Web Content Adaptation and Delivery” 5th Symposium on Applications and the Internet, SAINT’2005, (Trento, ita, 2005)
- Canali, Claudia; Casolari, Sara; Lancellotti, Riccardo, “Architectures for scalable and flexible Web personalization services” 1st International Workshop on Advanced Architectures and Algorithms for Internet Delivery and Applications, AAA-IDEA 2005, (Orlando, FL, usa, Giugno 2005)
- Canali, Claudia; Cardellini, V; Colajanni, Michele; Lancellotti, Riccardo, “Performance comparison of distributed architectures for content adaptation and delivery of Web resources” 25th IEEE International Conference on Distributed Computing Systems Workshops, ICDCS 2005, (Columbus, OH, usa, Giugno 2005)
- Canali, Claudia; Casolari, Sara; Lancellotti, Riccardo, “Distributed Systems to Support Efficient Adaptation for Ubiquitous Web” 1st International Conference on High Performance Computing and Communications, HPCC 2005, (Sorrento, ita, 2005)
- Andreolini, Mauro; Colajanni, Michele; Lancellotti, Riccardo, “Impact of technology trends on performance of Web-based services” International Conference on Next Generation Web Services Practices, (Seoul, 23-27 agosto 2005)

- 2004 – Colajanni, Michele; Andreolini, Mauro; Lancellotti, Riccardo, “Open issues in self-inspection and self-decision mechanisms for supporting complex and heterogeneous information systems” Int. Workshop on Self-* properties in Complex Information Systems (SELF-STAR), (Bertinoro, Italy, May 2004)
- Canali, Claudia; Cardellini, V.; Colajanni, Michele; Lancellotti, Riccardo, “Evaluating User-perceived Benefits of Content Distribution Networks” International Symposium on Performance Evaluation of Computer and Telecommunication Systems (SPECTS 2004), (San Jose, CA, July 2004)
- Andreolini, Mauro; Lancellotti, Riccardo; Yu, P. S., “Analysis of peer-to-peer systems: workload characterization and effects on traffic cacheability” Proceedings - IEEE Computer Society’s 12th Annual International Symposium on Modeling, Analysis, and Simulation of Computer and Telecommunications Systems, MASCOTS 2004, (Volendam, nld, October 2004)
- Andreolini, Mauro; Colajanni, Michele; Lancellotti, Riccardo, “Peer-to-Peer workload characterization: techniques and open issues” 2004 International Workshop on Hot Topics in Peer-to-Peer Systems, HOT-P2P ’04, (Volendam, nld, October 2004)
- 2003 – Lancellotti, Riccardo; B., Ciciani; Colajanni, Michele, “Distributed cooperation schemes for document lookup in multiple cache servers” 2nd IEEE International Symposium on Network Computing and Applications, NCA 2003, (Cambridge, 2003)
- V., Cardellini; Colajanni, Michele; Lancellotti, Riccardo; P., Yu, “A distributed architecture of edge proxy servers for cooperative transcoding” 3rd IEEE Workshop on Internet Applications, WIAPP 2003, (California, 2003)
- Canali, Claudia; Cardellini, V; Colajanni, Michele; Lancellotti, Riccardo; Yu, P. S., “Cooperative TransCaching: A System of Distributed Proxy Servers for Web Content Adaptation” WWW’03, (Budapest, Maggio 2003)
- Canali, Claudia; Cardellini, V; Colajanni, Michele; Lancellotti, Riccardo; Yu, P. S., “Cooperative Architectures and Algorithms for Discovery and Transcoding of Multi-version Contents” 8th International Workshop on Web Content Caching and Distribution, (Hawthorne, NY ,USA, SEP 29-OCT 01, 2003)
- Lancellotti, Riccardo; Mazzoni, Francesca; Colajanni, Michele, “Scalability of Cooperative algorithms for distributed architectures of proxy servers” IADIS International WWW/Internet 2003 Conference, (Algarve, Portugal, November 2003)
- Cardellini, V.; Colajanni, Michele; Lancellotti, Riccardo; Yu, P. S., “Distributed Architectures of Active Proxy Servers for Cooperative Transcoding” IEEE Workshop on Internet Applications (WIAPP’03), (San Jose, CA, June 2003)
- Lancellotti, Riccardo; Colajanni, Michele; Ciciani, Bruno, “A Distributed Cooperation Schemes for Document Lookup in Geographically Dispersed Cache Servers” IEEE International Symposium on Network Computing and Applications (NCA2003), (Cambridge, MA, April 2003)
- 2002 – Lancellotti, Riccardo; Ciciani, Bruno; Colajanni, Michele, “A scalable architecture for cooperative Web caching” N/A, (N/A, N/A)

LANGAUGES

Mother tongue Italian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user
[Common European Framework of Reference for Languages](https://europa.eu/europass/)