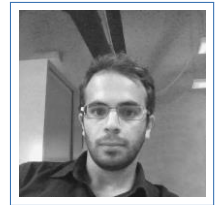


Andrea Sabbioni

Curriculum Vitae



Short presentation

I'm Andrea Sabbioni (Graduate Student Member, IEEE), I received my M.Sc. degree (cum laude) in computer science engineering from the University of Bologna, Italy, where I am currently pursuing a Ph.D. degree in computer science and engineering. My research interests include cloud, fog, and serverless computing, middleware, and architectural approaches for innovative tourism applications.

Education

- 2019–present **University of Bologna**, *PhD in Computer Science Engineering*.
Thesis: Infrastructures to support High Quality modern service environments for Smart Tourism and B2C applications
- 2016–2019 **University of Bologna**, *Master in Computer Science Engineering, grade 110L/110*.
Thesis: Stream Processing di Geo informazioni su Apache Spark a supporto di DAE
- 2012–2016 **University of Bologna**, *Bachelor in Computer Science Engineering, grade 99/110*.
Thesis: Tecniche di supporto alla migrazione di risorse virtuali nell'infrastruttura OpenStack

Published works

- 18 February 2022 **An Architecture for Service Integration to Fully Support Novel Personalized Smart Tourism Offerings**, *Andrea Sabbioni, Thomas Villano, Antonio Corradi*, MDPI Sensors 2022, 22, 1619.
Journal Paper - Published
- 18 December 2021 **A Digital Twin Decision Support System for the Urban Facility Management Process**, *Armira Bujari, Alessandro Calvio, Luca Foschini, Andrea Sabbioni, Antonio Corradi*, MDPI Sensors 2021, 21, 8460.
Journal Paper - Published
- 9 September 2021 **IPPODAMO: A Digital Twin Support for Smart Cities Facility Management**, *Armira Bujari, Alessandro Calvio, Luca Foschini, Andrea Sabbioni, Antonio Corradi*, GoodIT '21: Conference on Information Technology for Social Good, Roma, Italy, September 9-11, 2021.
Conference Paper - Published
- 5 September 2021 **A Shared Memory Approach for Function Chaining in Serverless Platforms**, *Andrea Sabbioni, Lorenzo Rosa, Armira Bujari, Luca Foschini, Antonio Corradi*, 2021 IEEE Symposium on Computers and Communications (ISCC), Athens, Greece, September 5-8, 2021.
Conference Paper - Published
- 14-23 June 2021 **Enhancing the Performance of Industry 4.0 Scenarios via Serverless Processing at the Edge**, *Armira Bujari, Antonio Corradi, Luca Foschini, Lorenzo Patera, Andrea Sabbioni*, IEEE International Conference on Communications (ICC): Communication QoS, Reliability and Modeling Symposium (IEEE ICC'21 - CQRM Symposium), Montreal, Canada, 6 2021.
Conference Paper - Published

- 7-11 Dec 2020 **An Efficient and Reliable Multi-Cloud Provider Monitoring Solution**, *Andrea Sabbioni, Armir Bujari, Luca Foschini, Antonio Corradi*, IEEE GLOBECOM 2020: IEEE Global Communications Conference. Taipei (Taiwan) 7-11 Dec 2020.
Conference Paper - Published
- Oct 2020 **Machine Learning to Estimate the Floating Population in Florianopolis**, *Denilton Luiz Darold, Carlos Roberto Da Rolt, Andrea Sabbioni*, IJCA October 2020: International Journal of Computer Applications Oct 2020.
Journal Paper - Published
- 14-16 Sep 2020 **A Geo-distributed Architectural Approach Favouring Smart Tourism Development in the 5G Eras**, *Armir Bujari, Claudio Bergamini, Antonio Corradi, Luca Foschini, Claudio E. Palazzi, Andrea Sabbioni*, GoodTechs '20: Proceedings of the 6th EAI International Conference on Smart Objects and Technologies for Social Good. Virtual (Italy) 14-16 Sep 2020..
Conference Paper - Published

Work Experience

- July 2016 – present **Project Manager of company research Lab**, *Imola Informatica S.p.A.*, During this period, I had the opportunity to participate in different projects, some of which in collaboration with the University of Bologna. The cooperation with the University of Bologna led also to the publication of an article on the journal IEEE Cloud Computing "NoMISHAP: A Novel Middleware Support for High Availability in Multicloud PaaS" (<https://ieeexplore.ieee.org/document/8065998>). My main occupation is currently to manage a small laboratory as support to test new technologies involved in both projects with Universities and Imola Informatica's customers. .
- July 2012 **Business servers assembly and installation**, *E4 Computer Engineering S.p.A.*.

Skills & Abilities

- Programming Languages **JavaScript**, React, Nodejs, Neutrinojs, Webpack, Babel, Flow, Express, Standardjs, Karma, Mocha, Jest, **Scala**, sbt, Spark Scala API, **Rust**, rocket, actix, cargo, rustup
- Infrastructure Platforms Openshift, MaaS, Juju, Openstack, Consul, Freeipa, Docker, Docker Compose, Docker Swarm, Xen, KVM, LXD Container, Elasticsearch Stack, Prometheus, Traefik, Ceph, Proxmox, Apache Spark, Hashicorp Vault, Apache Kafka, Gluster Fs, Eclipse Che, Apache OpenWhisk, NATS, OpenFaaS, Knative, Apache CouchDB, MongoDB, Kubernetes
- Development Tools Redmine, Wiky, Git, Gitter, Slack, Eclipse, IntelliJ IDEA, vim, VS code
- System Administration VLAN, Firewall, Gateways, VPN, NFS, WebDav, HP-ILO, Ansible, DNS, pfSense, Linux Bash Tools, LDAP

Languages

- Italian **Mother tongue**
English **Excellent**
French **Scholastic**

In compliance with the GDPR and the Italian Legislative Decree no. 196 dated 30/06/2003, I hereby authorize you to use and process my personal details contained in this document.