

# VINCENZO FERME

## ABOUT ME

Birth: Castellammare di Stabia (NA), 26th February 1987  
Nationality: Italian, Swiss  
Domicile: Via Mentana 13, 22100 Como (CO)  
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## WORK EXPERIENCE

- September 2018 - Present  
**Kiratech S.p.A. - Paradiso (Lugano)**  
*Cloud and DevOps Expert*: supporting companies in designing and implementing their digital business transformation journey.
- Febbraio 2018 - Luglio 2018  
**Reliable Software Systems Group, University of Stuttgart**  
*Visiting Researcher*: Working on ContinulTy - Automated Performance Testing in Continuous Software Engineering, and Declare - Declarative Performance Engineering and collaborating with the SPEC RG DevOps.  
Employed by University of Stuttgart and awarded of the Swiss National Science Foundation Doc.Mobility grant number 178653 for the project I submitted concerning: "Declarative Continuous Performance Testing for Microservices in DevOps".
- April 2014 - January 2018  
**Software Institute, Università della Svizzera Italiana (USI)**  
*Ph.D. Student and Teaching Assistant*: Working on BenchFlow - A Benchmark for Workflow Management Systems. The goal of the BenchFlow project is to design the first benchmark for assessing and comparing the performance of workflow management systems.
- June 2013 - March 2014  
**Connexun S.r.l. at University Milano-Bicocca**  
*Software Engineer and Java Developer*: implementation of a software system that allows discovering Point Of Interest (POI) from web resources, and identifies POIs relevant to cross-cultural communities, through data analysis and semantic techniques.  
Team: five people.  
Supervisors: Prof. Carlo Batini, Prof. Matteo Palmonari.

## EDUCATION

- April 2014 - Present  
**Ph.D. Student at Software Institute, Università della Svizzera Italiana (USI)**  
Project: BenchFlow - A Benchmark for Workflow Management Systems. The goal of the BenchFlow project is to design the first benchmark for assessing and comparing the performance of workflow management systems.

Advisor: Prof. Cesare Pautasso.

- September 2010 - September 2013

*Master Degree in Informatics* with specialisation in **Design and Development of Software Systems**, at University Milano-Bicocca - Dipartimento di Informatica Sistemistica e Comunicazione (DISCo), Milan.

Experimental thesis in *Quality and Evolution of Software Systems*. Title: “*JCodeOdor: A Software Quality Advisor Through Design Flaws Detection*”.

Graduation mark: **110/110 summa cum laude**.

- September 2006 - October 2010

*Bachelor Degree in Informatics*, at University Federico II - Facoltà di Scienze Matematiche, Fisiche e Naturali (MM. FF. NN.), Naples.

Experimental thesis in *Natural Language Processing*. Title: “*Algoritmi di decodifica per modelli del linguaggio nel riconoscimento del parlato*”.

Graduation mark: **110/110 summa cum laude**.

- September 2001 - July 2006

*High School Diploma of Scientific Lyceum*, at Liceo Scientifico Galileo Galilei, Potenza.

## AWARDED RESEARCH PROJECTS

**Swiss National Science Foundation** - Awarded of the Swiss National Science Foundation Doc.Mobility grant number 178653 for the project I submitted concerning: “*Declarative Continuous Performance Testing for Microservices in DevOps*”.

## INTERNATIONAL SCIENTIFIC PUBLICATIONS (*MOST RELEVANT ONES*)

V. Ferme, and C. Pautasso, “A Declarative Approach for Performance Tests Execution in Continuous Software Development Environments,” in *9th ACM/SPEC International Conference on Performance Engineering (ICPE)*, 2018.

CP. Bezemer, S. Eismann, V. Ferme, J. Grohmann, R. Heinrich, P. Jamshidi, W. Shang, A. van Hoorn, M. Villaviencio, J. Walter, F. Willnecker, “How is Performance Addressed in DevOps? A Survey on Industrial Practices,” in *arXiv preprint*, 2018.

B. Walter, F. Arcelli Fontana, V. Ferme, “Code Smells and their Collocations A Large-scale Experiment on Open-source Systems,” in *Journal of Systems and Software*, 2018.

## SCIENTIFIC PAPERS REVIEWS

EASE 2014, WeTSoM 2014, IEEE Transactions on Services Computing, BPM-WS 2015, IEEE Cloud Computing, Software Engineering Journal, MaLTeSQuE 2018

## ACADEMIC SERVICE

Program Committee: PEaCE 2016, MTD 2017, ICPE 2018 - Artefact Evaluation Track, ZEUS 2018, MaLTeSQuE 2018

## LANGUAGE SKILLS

**Italian:** Mother tongue.

**English:** Fluent level of understanding, writing and speaking.

## IT SKILLS

### Certifications

Docker Inc. - Docker Certified Associate

### Operating Systems

Daily use of: Mac OS X, Ubuntu (Linux).

Good knowledge of: Windows Xp, Windows Vista, Windows 7, Windows 8.

### Computer languages

**Excellent** knowledge of: UML, BPMN, Java, SQL, SPARQL, RDF, JavaScript, AJAX, HTML, HTML5, XHTML, XML, CSS;

**Good** knowledge of: Go, R, php, asp, c++, c, vbscript, java EE, DOS, Matlab, MPI, PL/SQL, posix thread, linux socket, RESTful Web Services, awk, shell scripting, assembler, OWL, CMS Wordpress, CMS Joomla, HTML 5, jQuery, Facebook API, Google API, Lucene.

### Software

**Excellent** knowledge of: Docker (Docker Campus Ambassador since July 2017), Faban, Eclipse, IntelliJ IDEA, GitHub, MySQL, Microsoft Office (ECDL certification awarded in 2006);

**Good** knowledge of: Visual Studio, IBM Rational RequisitePro, IBM Rational Software Architect, IBM Rational Quality Manager, IBM DB2 Developer Workbench, R, IBM SPSS, DELL CMC, DELL iDRAC, JMeter, Apache Spark, Apache Cassandra, Apache Kafka, Oracle, PostgreSQL, Glashfish, NetBeans, Node.JS, Express.JS, Adobe Photoshop, Adobe Premiere, Adobe Flash, Matlab, Praat, CSV, SVN, Git, Maven, Dreamweaver.

## HOBBIES

Ski, Mountain Bike, Down Hill, Swimming, Basket, Reading.

## AVAILABILITY

Willing to travel throughout Italy and abroad.