Claudia Canali

Date of birth: 16 Jun 1977

Nationality: Italian

CONTACT

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41125 Modena, Italy **(Work)**

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WORK EXPERIENCE

Department of Engineering 'Enzo Ferrari', University of Modena and Reggio Emilia Modena, Italy

Associate Professor
31 Oct 2018 – Current
Main research interests: Cloud and Edge Computing, Social Network Analysis, Gender Equality in ICT and Research Institutions

ECODERS Formigine, Italy

Co-founder ECODERS innovative startup
23 May 2022 – Current
- maintenance of computers
- relations with suppliers
- coaching a junior Ice Hockey team (10 hours/week)

Department of Engineering 'Enzo Ferrari', University of Modena and Reggio Emilia Modena, Italy

Researcher
30 Nov 2008 – 30 Oct 2018
Main research interests: High Performance Distributed Systems, Social Network Analysis, Gender Equality in ICT and Research Institutions

Institute of Informatics and Telematics of CNR (National Research Council) Pisa, Italy

Temporary Research Fellow
31 Dec 2006 – 29 Nov 2008
Research subject: Wireless Mesh Networks

AT&T Research Labs Florham Park, NJ, United States

Visiting researcher
31 Mar 2004 – 29 Nov 2004
Research subject: distributed systems, Web content delivery, utility computing

Department of Information Engineering, University of Modena and Reggio Emilia Modena, Italy

Temporary Research Fellow
31 Dec 2005 – 30 Dec 2006
Research subject: High Performance Distributed Systems for Web Services

EDUCATION AND TRAINING

31 DEC 2002 – 30 DEC 2005 Parma, Italy

Ph.D. in Information Technology University of Parma

31 AUG 1996 – 17 OCT 2002 Modena, Italy

MasteLaurea degree, summa cum laude, in Information Engineeringr Degree in University of Modena and Reggio Emilia

PROJECTS

1 JAN 2025 – CURRENT

TechLARP

Erasmus+ Project
Project number: 2024-1-NO01-KA220-HED-000249902, Call: KA220-HED-2024-1, Type of action: KA220-HED – Cooperation partnerships in higher education (KA220-HED)
Role: Responsible for UNIMORE Research Unit

The TechLARP project aims to **close the gender gap in technology studies and STEAM education** in order to encourage young girls to pursue STEM and, particularly, computer science studies. The TechLARP project aims to develop a **Gender-Inclusive Blueprint and an innovative, arts-based Tech Education programme that draws on LARP (Live Action Role Playing)**, creative coding, and wearable technologies to build the capacities of student teachers to design and implement effective tech education interventions that increase young girls' engagement, motivation, and confidence to engage with technology and broader STEM studies more effectively.

Link https://www.techlarp.eu/

1 NOV 2023 – CURRENT

STEAM Bo.SS - STEAM Boosting Soft Skills

Erasmus+ Project Cooperation partnerships in vocational education and training – KA220-VET
Role: Responsible for UNIMORE Research Unit

Project objectives
1. To develop the soft skills of VET students through STEAM approach activities, designed and delivered together with local companies
2. To build STEAM approach pilot projects in all partner countries that respond to the real needs of the labour market
3. To update and align VET trainers' competences to the European level

Link http://steamboss.eu/

2023 – CURRENT

DISSEM Data-driven IT Services for Sustainable and Efficient Manufacturing

PR-FESR Project
Expected results: 1) New data-driven methodologies for learning machine learning (ML) models, designed for high-dimensional data, unbalanced and/or incorrectly labeled datasets; 2) DISSEM platform prototype capable of instantiating and dynamically managing Big Data analytics services by implementing the MLOps paradigm; 3) Orchestration service prototype for on-device / distributed learning, capable of dynamically redistributing computation for the purposes of learning ML models; 4) Demonstration laboratory of the DISSEM platform, including demonstrators of real-time decision support services modeled on industrial use cases.

2023 – CURRENT

ESCALATION: sEcure and SCAlable cLoud bAsed opTImizatiON

PR-FESR Project

31 DEC 2013 – CURRENT

Summer Camp 'Digital Girls'

Project Type: **Educational Project**
Role: **Co-organizer and scientific responsible**
Web site: www.ragazzedigitali.it
Description: Summer camp to attract girls towards computer science disciplines. Dedicated to female students of the high schools and completely free for them to participate, the summer camp lasts 4 weeks between June

and July. The girls learn how to program a video game in Python or a robot based on Arduino, working in team and being exposed to female role models to counteract gender stereotypes in the computer science field.

1 DEC 2021 – 31 JAN 2024

STEM for Future

STEM for Future is an Erasmus+ project that aims to develop among young people a greater knowledge and culture of the new possible professional opportunities in the STEM field, through a set of learning opportunities aimed at enhancing their STEM skills, with innovative learning methods.

31 DEC 2019 – 31 DEC 2023

LeTSGEPs: Leading Towards Sustainable Gender Equality Plans

Project Type: **Horizon 2020** - Support and Coordination Action
Role: **Member** of the University of Modena and Reggio Emilia Research Unit, that acts as **coordinator**
Web site: https://letsgeps.eu/
Description:The EU-funded LeTSGEPs project intends to connect several research-performing organisations to plan and perform actions that will result in systemic institutional transformation concerning gender prejudices.

31 MAY 2016 – 30 MAY 2019

EQUAL-IST: Gender Equality Plans for Information Sciences and Technology Research Institutions

Project Type: **Horizon 2020** - Support and Coordination Action
Role: **Scientific Responsible** for the University of Modena and Reggio Emilia Research Unit
Web site: https://equal-ist.eu/
Description: The EQUAL-IST project (Gender Equality Plans for Information Sciences and Technology Research Institutions) aims at introducing structural changes to enhance **gender equality in Information Sciences and Technology (IST)** research institutions.

30 APR 2015 – 29 NOV 2016

SAMMClouds: Secure and Adaptive Management of Multi-Clouds

Project Type: **FAR 2014** - Academic Funding for Research
Role: Principal Investigator

31 DEC 2009 – 30 DEC 2013

VIRTUOSO: Versatile InfoRmation Toolkit for end-Users oriented Open-Sources explOitation

Project Type: European Union Seventh Framework Programme **FP7**
Role: **Member** of the University of Modena and Reggio Emilia Research Unit

31 DEC 2008 – 30 DEC 2010

AUTOSEC Autonomic Security

Project Type: **National Research Project MIUR PRIN**

Role: **Member** of the University of Modena and Reggio Emilia Research Unit

PROFESSIONAL ACTIVITIES

1 NOV 2021 – CURRENT

President of Information Engineering Bachelor Degree

- International Journal of Cluster Computing
- Journal of Communications Software and Systems (JCOMMS)

1 NOV 2024 – CURRENT

Delegate for the Development of the Mantova Campus for the Department of Engineering 'Enzo Ferrari', University of Modena and Reggio Emilia

- Peer-to-Peer Networking and Applications Journal: Special Issue "Experimental Evaluation of Peer-to-Peer Applications" (2013)
- Algorithms Journal: Special Issue "Algorithms for the Resource Management of Large Scale Infrastructures" (2018)

3 FEB 2020 – 31 OCT 2024

Delegate for Gender Equality of the Department of Engineering 'Enzo Ferrari', University of Modena and Reggio Emilia

- POR-FESR - Regional Operational Program of the European Regional Development Fund 2017
- Luxembourg National Research Fund (FNR): Research Programmes CORE, POLLUX and INTER MOBILITY (2012-2015)
- Italian Minister of Education, University and Research (MIUR): "Future in Research 2013" and "Scientific Independence of young Researchers (SIR) 2014"

CURRENT

Associate Editor for International Journals

Mutual Learning Programme in Gender Equality - Artificial Intelligence and Gender Biases in Recruitment and Selection
Processes

31 MAR 2020 – 30 OCT 2021

President of CUG (Comitato Unico di Garanzia) of the University of Modena and Reggio Emilia

Guest Editor for International Journals

CURRENT

Member of the Interdepartmental Research Center on Security and Risk Prevention (CRIS) of the University of Modena and Reggio Emilia

Project proposals evaluator

OCT 2020 – NOV 2020

Country Expert in Gender Equality
Link https://commission.europa.eu/system/files/2020-12/mlp_it_comments_paper_nl_november_2020_en.pdf

TEDX TALK

5 DEC 2019

"L'informatica è un paese per donne?" (Is Computer Science a Country for Women?)
TEDxModenaWomen

Link https://www.youtube.com/watch?v=lAit3pd-gRU

LANGUAGE SKILLS

MOTHER TONGUE(S): Italian

Other language(s):

English

Listening C1
Spoken production C1
Reading C2
Spoken interaction C1
Writing C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user