Dr Tiziana C. Callari – CV

EDUCATION

PhD in Applied Psychology and Organisational ergonomics　　　　**2009-2011**
School of Psychology, University of Turin, Turin (Italy)

<u>Awarded 'Best Doctoral Dissertation'</u> in Work Psychology and Ergonomics/Human Factors - Italian Association of Psychology (AIP).

BSc Work and Organisational Psychology　　　　**2003-2006**
School of Psychology, University of Turin, Turin (Italy)

Graduated Magna cum Laude.

MSc Slavic Languages and Literature　　　　**1990-1995**
School of Foreign Languages, University of Turin, Turin (Italy)

Graduated Magna cum Laude.

PROFESSIONAL DEVELOPMENT/TRAINING

Northern Advanced Research Training Initiative (NARTI)　　　　**2020-2022**
University of Leeds (UK) in collaboration with the NARTI educational organisations

Seminars and workshops on methodologies, in collaboration with the NARTI educational organisations part of the Russel Group.

Consortium for the Advancement of Research Methods and Analysis (CARMA)　　**2021-2022**
University of Leeds (UK)

Seminars and workshops on methodologies

Case Study Research: Method and Practice　　　　**2021**
University of Bamberg (Germany) – ECPR Winter School of Methods (online)

Case study method, Causation and modes of causal inference, Within-case analysis, Cross-case comparison

Applied Social Network Analysis (Introduction)　　　　**2020**
University of Bamberg (Germany) – ECPR Winter School of Methods

Exploratory network analysis. Use of software, such as UCINET, Gephi

Advanced Qualitative Data Analyst using NVivo　　　　**2017**
University of Bamberg (Germany) – ECPR Winter School of Methods

In-depth understanding and use of qualitative content analysis (QCA), thematic analysis (TA), cross-case analysis (CCA) and grounded theory (GT) using NVivo (NVivo Pro for Windows, version 11)

PROFESSIONAL EXPERIENCE, in ACADEMIA

Massachusetts Institute of Technology (MIT), Cambridge, MA (USA)   June-July 2022
Summer Research Fellowship

Awarded the fellowship within the International Collaboration Scheme (LUBS, University of Leeds) to build collaboration and experiences in relation to investigating ways to design machine-learning enabled systems that provide auto-tailored training adaptive to users' level of expertise/mastery.

University of Leeds, Leeds University Business School (UK)   2019-ongoing
Senior Research Fellow in Human Factors

Interdisciplinary/human factors research activity at two university research centers: the Socio-Technical Centre (at the Leeds University Business School) & Institute of Design, Robotics and Optimisation (at the School of Mechanical Engineering).

University of Modena and Reggio Emilia, Modena (Italy)   April – May 2022
Visiting Professor

Collaboration with the Business School at Fondazione Marco Biagi, Doctorate School in Labour, Development and Innovation, to develop projects and human factors activities.

Deakin University, CADET Virtual Reality, Geelong (Australia)   2019
Visiting Researcher

Collaboration with CADET Virtual Reality Laboratory at Deakin University, School of Engineering (Geelong, Victoria State)

Coventry University, School of Art and Design, Coventry (UK)   2018-2019
Research Fellow in Human Factors, currently Visiting Researcher

Collaboration with the Centre for Arts, Memory and Communities, and the National Transport Design Centre (NTDC), to incorporate Human Factors principles in the design of products, services and processes.

Trinity College Dublin, School of Psychology, Dublin (Ireland)   2013-2018
Research Fellow in Human Factors, currently Visiting Researcher

Employed at the Centre for Innovative Human Systems on two projects related to aviation human factors.

University of Turin, Department of Psychology, Turin (Italy)   2012-2013
PostDoc

Involved in a number of interdisciplinary projects that integrated competences from cognitive, organizational, and physical ergonomics backgrounds.

PROFESSIONAL EXPERIENCE, in INDUSTRY

Deep Blue, Rome (Italy)   July-Sept 2017
Research collaboration

Research task to conduct a systematic literature review on Computer and Information Security (CIS) countermeasures from a human factors perspective.

FCA Sepin, FIAT Chrysler Automotive, Turin (Italy)   2013-2015
Research collaboration

Project managed FCA Sepin research activities in support of the Creativity in Learning through Social Computing and Game Mechanics in the Enterprise

Soges Consultancy S.p.A., International Operations, Turin (Italy)   1998-2008
Senior Consultant/Project Manager

Project design and management, coordination of activities, design of qualitative and quantitative research tools, data analysis, and research reporting.

RomanTO, Bucharest (Romania)   2000-2005
Senior Consultant/Project Manager

Managed the Romanian branch of Soges, supporting the Italian companies based in Romania to develop their business activities.

RESEARCH INTERESTS

- Expertise, novice-experts comparison
- (Re)design and evaluation of work processes/procedures and devices; Technologies supporting work, and operator performance
- Organisational ergonomics
- Safety analysis and interventions
- Human Computer Interaction (HCI)/Human Machine Interaction (HMI) design and evaluation
- Adaptive systems and interfaces; intelligent systems design
- Qualitative research methods

GRANTS AND AWARDS

- **2022**. Awarded an International Collaboration Scheme Fund (£5.000 Fellowship grant) to strengthen relationships with international universities. Visiting Research Fellowship at the Massachusetts Institute of Technology (MIT), Cambridge, MA (USA)

- **2018**. Awarded a "Cross-Centre International and Interdisciplinary Pilot Projects" grant (£10,000 Fellowship grant; Award No.13705-03) as 'best project' to develop a cross-case analysis between the UK and Australia to investigate the HF issues associated to the tram/light rail system.

- **2012**. 'Best Doctoral Dissertation' Award (£600 grant) in Work Psychology and Ergonomics/Human Factors - Italian Association of Psychology (AIP).

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- **2018**. 'Paper shortlisted' for best paper of the conference.
  - → Callari T.C., Moody, L., Holliday N., Russel, E., Saunders, J., Ward, G., & Woodley, J. User needs and expectations as a challenging factor for successful living lab research initiatives involving older adults: the DDRI experience. Proceeding of the Open Living Lab Days: Research and Innovation Conference Proceedings 2018, Geneva (Switzerland).

- **1998-2008**. Design and implementation of a number of grants/tenders for the Italian clients of Soges S.p.A.. I have in-depth experience of designing and managing EU-funded projects

TEACHING/LECTURING

PhD/ECR - Summer School of Data Analysis Methods in Social Science   2022
University of Bergamo, Bergamo (Italy)

This Summer School will take place from 5-10 September 2022, and it is targeting the Italian Schools of Doctorate and Early Career Researchers. I am in charge of the design and delivery of two modules (over three days – from 5th to 7th September) regarding **qualitative data analysis** and their application with NVivo.

UG Module on Work and Organisational Psychology   AY 2021-22
University of Trieste, Trieste (Italy)

Module Leader: 48 hrs/6 Credits. At Undergraduate level, the module aims to provide the students with an overview of the fields of application of work and organisational psychology, with a focus on: psychological issues related with the person-job interaction and organisational processes.

PhD seminars on Research methods in business and organizational research   AY 2021-22
University of Modena and Reggio Emilia, Doctorate School in Labour, Development and Innovation Modena (Italy)

Visiting Professor. Lecturing on research methods in business and organisational studies.

PG Modules on Methods in work analysis   AY 2016-17→2019-20
School of Psychology, Trinity College Dublin, Dublin (Ireland)

Lecturer. At Master level, lecturing at the Online Masters in Managing Risk and System Change. Online support in designing, developing, executing and reporting the results of Masters.

UG Module on Exploratory market research in Organisational Practice
AY 2016-17→ 2021-22

SAA School of Management, University of Turin, Turin (Italy)

Module Leader: 21 hrs/3 Credits. At Undergraduate level, lecturing through English on applied research methods in business research to understand the complexity of the current markets and users, and explain the role and value of qualitative approaches in organisational practice. Information about HF/E methods is also provided.

UG Module on Roadmap to usability testing   AY 2016-17→ 2021-22
SAA School of Management, University of Turin, Turin (Italy)

Module Leader: 21 hrs/3 Credits. At Undergraduate level, lecturing through English on how to define usability and usability testing, within the context of a user-centered design (UCD) process. Traditional and today's techniques for usability testing are presented and applied.

UG Module on Introduction to Psychology in the Workplace   AY 2012-13→ 2015-16
SAA School of Management, University of Turin, Turin (Italy)

Module Leader: 42 hrs/5 Credits. At Undergraduate level, lecturing through English on the both basic and state-of-the-art knowledge in the area of Work and Organisational Psychology.

SUPERVISION/CO-SUPERVISION OF STUDENTS' DISSERTATIONS

2011-ongoing . The supervision is for dissertations in undergraduate curricula.

INVITED LECTURES

No Panic! Using NVivo to Manage Your Literature Reviews   2022
Leeds University Business School, University of Leeds, Leeds (UK)

Seminar on how to conduct a narrative literature review (NLR) using NVivo.

Thematic Analysis using NVivo   2022
Coventry University, Coventry (UK)

Seminar on how to code and analyse qualitative using the Thematic Analysis method, and NVivo to support these processes.

Human Factors methods (Tutor)   2012-2013
School of Psychology, University of Turin (Italy)

Tutoring on design of an applied project in organizations: methods and techniques; human factors methods to enhance system performance.

Introduction to Human Factors/Ergonomics: Scope and Methods   2012-2013

- o   Masters in Organisational Psychology and Marketing, Universita Cattolica, Milan (Italy)
- o   Centre for Applied Autonomous Sensor Systems (AASS), Örebro University, Örebro (Sweden)
- o   Masters in Ergonomics, University of Turin, Turin (Italy)
- o   School of Doctorate in Labour Relationships, University of Modena, Modena (Italy)

OTHER ROLES

Participation in Editorial Committees

- **Member of the Scientific Committee of WCQR2022**
  WCQR2022 - 6th World Conference on Qualitative Research, 26 to 28 January 2022

- **Member of the Scientific Committee of the Human Mental Workload conference (2017)**
  HMW- 1st World Conference, Dublin (Ireland)

- **Chair of the 16th Organisational session ECRM 2017**
  European Conference on Research Methodology for Business and Management Studies Conference, Dublin (Ireland)

Ad-hoc reviewer

- Safety Science
- Cognition Technology & Work
- Ageing and Society

PROFESSIONAL MEMBERSHIPS

- Associated Member of the 'Chartered Institute of Ergonomics and Human Factors' (since 2016).
- Associated Member of the AIP (Associazione Italiana di Psicologia) (2009-2013).
- Honorary fellowship in Work and Organizational Psychology & Ergonomics, School of Psychology, University of Turin, Italy (Prof. A. Re) (2010-2012)
- Honorary fellowship in Physical Ergonomics. Department of Life Sciences and Systems Biology, University of Turin, Italy (Dr Margherita Micheletti) (2011-2013)

June, 16th 2022