

## Education

- PhD in Organization of Business Information Systems at the Free International University of Social Studies "LUISS" in Rome. Title of the dissertation: "Cultural Information Systems: Valorising the Territory as a Key Resource for Socio-economic Development". The year abroad was spent in Boston at MIT and Harvard Business School, where he worked with Prof. Shoshana Zuboff.
- Master in Computational Archaeology (MLitt) at University of Oxford, Christ Church College. Research topic: Knowledge Management in Archaeology.
- Degree in Humanities at "La Sapienza" University of Rome. Title of the dissertation: "Application of an Artificial Intelligence System for the Analysis of Archaeological Data".

## Core competencies & Skills

### Academia

Lifelong experience in university teaching and designing training curricula, coordinating international research and innovation projects, and in the organization of academic events (e.g. conferences and workshops).

### Business management

Organizational behaviour, management information systems, business process modelling and reengineering, project management (Agile/Canvas), soft skills, team building, risk assessment and business continuity.

### Humanities and Social Sciences

Archaeology, Etruscology, Demo-ethno anthropology, Linguistic and Intercultural Mediation, African Studies, field experience in several African countries.

### ICT

Digital transformation strategies, Digital Humanities, Digital Twin, systems thinking, design thinking, platform thinking, socio-technical systems, data/knowledge base management systems, (eco)systems innovation, dashboard design, stakeholder requirement analysis and specification.

### Artificial Intelligence

Large Language Models (LLMs), prompt engineering, semantic and conceptual modelling, AI application in various fields (e.g. education, healthcare, business, and tourism), knowledge management (ontologies, interoperability).

### Language skills

Bilingual Italian-English, fluent in French, basic working proficiency in Spanish and German.

## Professional and scientific activities

- Co-founder, in September 2021, of the Earth 3.0 Foundation with headquarters in London and a branch in Uganda and ongoing projects in Burundi, Guinea Conakry and The Gambia.
- Founder, In March 2020, of Earth 3.0 think tank which, after a year of research and strategic planning, in the spring of 2021 defines two lines of development:
  - Genius Loci. This project addresses a human centred digital transformation of territories based on state-of-the-art technologies (IoT, big data analytics, AI, Digital Twins, user experience and Extended Reality) aimed to valorise cultural and environmental resources of each territory.

- Eur-Africa. This program addresses the three major emergencies of our time (health, climate, economic) through the development of an evolved model of development cooperation between Europe and Africa, mainly based on digital transformation (e-learning, telemedicine, fintech).
- Since 2016 he has been involved in humanitarian activities in Africa with extended stays in The Gambia, Guinea Conakry and Uganda.
- 2013 to 2016: Chairman of Industrial Holding Spa.
- 2010 to 2012: Scientific consultant in the project for the creation of the Centre of Excellence and the Registry of Competences for the Technological District of Culture in the Lazio Region.
- From 2006/2007 to 2011/2012 he collaborated with the Faculty of Law of the University of Perugia, Degree in Legal Services Sciences as contract professor of Business Organization.
- From 2008 to 2010 he collaborated with Filas (Lazio Region Finance Agency for Development) in defining the guidelines for the design of the Technological District for Cultural Heritage and Tourism in the Lazio Region (DTC/CoE).
- From 2001 to 2011 he was scientific coordinator of the "Tourism and Cultural Heritage" sector for the Research Centre on Information Systems (CeRSI) at LUISS Guido Carli University.
- In the fifteenth edition of ECIS (European Conference on Information Systems), held in St. Gallen from 7 to 9 June 2007, he is Track Chair of the session on Cultural Heritage and Tourism.
- Member of the organizing committee of the seventh edition of MCIS (Mediterranean Conference on Information Systems), held from 6 to 8 October 2006 in Venice.
- From June to December 2005, on behalf of Filas (the Lazio Region Finance Bank for Development), it develops a feasibility plan for the creation of a Multiregional District for the new technologies applied to cultural heritage and the Lazio Region's tourist-cultural offer.
- Co-curator of the World Expo "Imagining Ancient Rome", held at the Trajan Markets (Rome) from 15 September to 20 November 2005.
- In the thirteenth edition of ECIS (European Conference on Information Systems), held in Regensburg from 26 to 28 May 2005, he is Track Chair of the session on Cultural Heritage.
- Curator of the "E-culture, U-tourism, and Virtual Heritage" Workshop during the twenty-fifth edition of ICIS (International Conference on Information Systems) in Washington on 12 December 2004.
- Within the ninth edition of the "Archäologie und Computer" Workshop, held in Vienna from 3 to 5 November 2004, he is Track Chair of the session on Cultural Tourism.
- From April to October 2004, in collaboration with the Municipality of Rome, Secretariat for Innovation and Development, he participated in the drafting of the feasibility study for a Virtual Heritage Centre in Rome.
- In collaboration with the Minerva Project and the Italian Office of the World Wide Web Consortium, he curated the organization of the 1st Workshop on "Knowledge Representation for a Semantic Web of Culture", held on the 6<sup>th</sup> of July 2004 at Palazzo Massimo, Rome.
- During the CAA 2004 conference, "Beyond the artifact - Digital interpretation of the past", he curated the organization of the workshop "eCulture: an innovative concept for the management of Cultural Heritage", held in Prato on April 12, 2004.
- • From May 2001 to September 2001, on behalf of the Research Centre on Information Systems of Luiss University, he coordinates the organization of the "OES: SEO 2001" Workshop (Open Enterprise Solutions: Systems, Experiences, and Organizations).
- In 2000 he is a consultant for T-6 ScaRL which coordinates a European project for the implementation of next generation mobile technologies (WAP, GPRS, UMTS, etc.) in the tourism domain. This project involves the creation of a semantic and technological interoperability platform that allows communication between devices and protocols of different nature based on (then) new languages and technologies (XML, Jini, Bluetooth, etc.).

- In 1998 he collaborated with the Research Centre on Conceptual Systems for the development of a web-based system for the management of tourist-hotel activities.
- In collaboration with the AICA (Italian Association of Automatic Computation), the Civita Consortium and the CNR (Italian National Research Council), he oversaw the organization of the "Informatics and Archeology" study day, held on 6 June 1994 in Rome.

## Teaching activities

### Academic year 2022/2023

- Sapienza University of Rome: Digital Humanities

### Academic years 2006/2007 – 2011/2012

- University of Perugia: Organizational behaviour

### Academic year 2008/2009

- LUISS University:
  - Master SFIDA-PMI – ICT solutions for value chains, districts and SMEs: Module on CMS and Groupware

### Academic year 2007-2008

- LUISS University:
  - Management Information Systems
  - Master on tourism and territory management

### Academic year 2006-2007

- LUISS University:
  - Management Information Systems

### Academic year 2005-2006

- LUISS University:
  - Management Information Systems
  - Fundamentals of computing
  - Master in economy, management and marketing of tourism and cultural heritage
- University of Viterbo (Tuscia):
  - ICT and public market
- University of l'Aquila:
  - Business organization
- IMT Lucca Institute for Advanced Studies:
  - Technologies for Cultural Heritage Management

### Academic year 2004-2005

- LUISS University:
  - Fundamentals of computing
  - Management Information Systems
  - Master in economy, management and marketing of tourism and cultural heritage
- IMT Lucca Institute for Advanced Studies:
  - Conceptual modelling of enterprises

### Academic year 2003-2004

- LUISS University:
  - Management Information Systems
  - Computing
  - Master in economy, management and marketing of tourism and cultural heritage
- University of Calabria:
  - Master in Knowledge Management

#### Academic year 2002-2003

- LUISS University:
  - Management Information Systems
  - Computing
- University of Roma “La Sapienza”:
  - Academic training project “Campus One”
- University of Naples “Parthenope”:
  - Master in Management of Tourism Services Innovation
- MIUR:
  - National Training Programme on ICT

#### Academic year 2001-2002

- LUISS University:
  - Management Information Systems
  - Computing

## Research activities

### **HERMES project**

Funded by the Lazio Region in 2013 within the Co-Research program, the project aimed to develop a smartphone application for allowing users to interact with an immersive environment that reconstructs ancient monuments.

### **SVILUPPO CULTURA project**

Funded by MIUR in 2010 as an academic spin-off, carried out research, development and experimentation on the innovative use of digital technologies for the enhancement of cultural heritage. Furthermore, the project took care of the installation and management of specific realizations (temporary and / or permanent) in dedicated places in which these installations, designed with a view to experience management for the historical-artistic and archaeological context, could increase the number of visitors and provide a wide range of value-added services. For both objectives, the activities were based on the use of skills and resources of the universities and research centres involved, in a coordinated and targeted manner. These activities were aimed at covering the entire process, starting from basic research and up to developing a strong application and management component (pre-competitive development).

### **LD-CAST project (Local Development Cooper. Actions enabled by Semantic Technology)**

The LD-CAST project, started in January 2006 and with a duration of 24 months, aimed to enable international cooperation between European chambers of commerce, with the aim of supporting the development of commercial initiatives by private companies, on the basis of a semantic interoperability platform.

### **Summer School on Ontological Engineering and the Semantic Web**

Best project award in the 2004 edition of the European Summer School on Ontological Engineering and the Semantic Web, Cercedilla, Spain.

### **MINERVA Project (Ministerial Network for Valorising Activities in digitization):**

This project, which lasted from March 2002 to February 2005, connected in a network all the European Ministries of Culture, in order to coordinate and harmonize the digitization of scientific and cultural heritage. Representing the Research Centre on Information Systems of LUISS University, he participated in various working groups (i.e. WG4: Interoperability and WG5: Web Quality) and collaborated in the drafting of the "Handbook for quality in cultural Web sites: improving quality for citizens" and the definition of the Technical Guidelines.

### **Harmonise project**

The Harmonise Project, funded by the European Commission for a duration of 18 months starting from 1/8/2001, had as its objective the creation of a technological infrastructure based on a shared ontology, to improve the cooperation of SMEs in the sector of tourism. In Harmonise the problem of interoperability was addressed by combining social consensus with the application of new technologies.

### **FairsNet Project (On-line Solutions for Trade Fairs):**

The FairsNet project, funded by the European Commission and started on 1/8/2002, with a duration of 23 months, aimed to offer innovative online services aimed at supporting trade fair activities open to a practically unlimited number of exhibitors, organized in "Virtual Fairs", based on web technologies, with the aim of improving the efficiency of European SMEs and facilitating the creation of jobs.

### **TransICT Project (Support methodologies for companies in the transition to the Net Economy):**

The objective of this project, financed by the Lazio Region, was to provide local operators, training organizations and businesses with an updated picture on the ongoing evolution in the ICT sector, with particular reference to the following points: new technological platforms, new business models, needs for new professional profiles.

### **Italian National Research Council**

From 1997 to 2002 he collaborated in the drafting of an ontology for tourism with a laboratory of the IASI / CNR: the LEKS (Laboratory for Enterprise Knowledge and Systems).

In collaboration with the IASI / CNR institute (Institute for Systems Analysis and Information Technology) and ISCIMA / CNR (Institute of Studies on Italic and Ancient Mediterranean Civilizations) from 1989 to 2000 he coordinated a project for the application of knowledge management technologies (from Ontologies to the Semantic Web) to the classification of archaeological artefacts.