



CAREER SUMMARY AND OBJECTIVES

CONTACTS

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- *Innovation Technologist, Project Manager and Blockchain Expert.*
- *About 15 years' experience in European project management and execution. Fundraising and business development activities aimed at fostering research and innovation in cooperation with academy, industry, and SMEs.*
- *Seconded National Expert Evaluator at the European Commission and Blockchain Expert at StandICT.eu*
- *Liaison with European and international bodies and associations (BDVA-DAIRO, ERTICO ITS, AIOTI, EIC, JRC, ION-GNSS).*
- *Blockchain technical leader and contents author for OverTheBlock.io*
- *Ideation of Proofs-of-Concept leveraging on distributed ledger technologies, cloud computing, location-based services, and artificial intelligence*

WORK EXPERIENCE



Since 2019 > LINKS Foundation - Business Model Innovation Dept > Innovation Technologist, Blockchain Expert, Project Manager

Innovation and project management.

Blockchain technical team leadership. Proof-of-Concept (PoC) ideas generation.

Fundraising and grant proposal preparation, including budget and financial aspects.

Liaison with European organizations and public institutions.

Dissemination and exploitation of research outcomes.



Since 2018 > European Commission > Seconded National Expert

Project proposals evaluation for H2020 EIC-FTI (Fast-Track-to-Innovation)



Since 2018 > StandICT.eu > Seconded National Expert (Blockchain)

ICT Standard Proposals Evaluation



2013 – 2018 > ISMB - Mobile Solutions Dept. > Senior Researcher, Project Manager

Research project management and technical activities coordination.

Business development, definition of research area strategy and preparation of project proposals for European and National funding.

2010 – 2013 > ISMB - Navigation Technologies Dept. > Researcher

Industrial and research projects development in the field of GNSS, with a particular focus on Galileo, Augmentation and Software Defined Radio technologies.

2007 – 2010 > ISMB – Applied Banking Technologies Dept. > Researcher

Technological scouting, feasibility studies and proof of concept development with a particular focus on NFC and social computing technologies.



Gen. 2007 – Jun. 2007 > Telecom Italia Lab (TILab) > Intern

Media services software development.



Nov. 2005 – Nov. 2006 > While 1 s.r.l > Consultant

Software analysis and development



Aug 2003 – Dec 2003 > Centro Ricerche e Innovazione Tecnologica RAI (CRIT) > Intern

Design and development of a multimedia application for receiving and decoding files transmitted on unidirectional digital channels (DVB-T).



2018 > PMI-PMP ® Certification Course



2015 > BIGDIVE 4th Edition - Full-stack Data Science Training



2003 - 2007 > M.Sc. in Computer Science, 107/110, Università di Torino.



2000 - 2003 > B.Sc. in Computer Science, 102/110, Università di Torino.

Languages Italian (mother tongue), English – IELTS certification (Full professional proficiency)

Technical Skills C, Python, R, Solidity, Javascript, Microsoft Azure.
Microsoft Project, Microsoft Office, Microsoft Visio.
Technical and scientific writing.

PROJECTS

- MEDIAVERSE**
H2020 *A decentralized network for intelligent, automated, & accessible digital asset management systems*
Objectives: design and development of a decentralized social media platform for content creation, distribution, and automatic copyright management.
> **Innovation manager, exploitation, and blockchain expert**
- CO3**
H2020 *Digital Disruptive Technologies to Co-create-produce-manage Open Public Services with Citizens.*
Objectives: design and development of an open toolkit to support citizens in co-creating-producing-managing public service and commons leveraging on Blockchain, social voting, and AR.
> **Team leader of Work Package 1 “Process design & model definition for PA/Citizens collaboration”**
- INTELLEGO**
Industrial *Quantitative and qualitative analysis of big data in education.*
Objectives: valorization of big data from the National Education Evaluation Platform (MIUR) applying Data Analytics to evaluate the performances of the Italian education system.
> **Technical project manager**
- OptiTruck**
H2020 *Optimal fuel consumption with Predictive PowerTrain control and calibration for intelligent Truck.*
Objectives: design and development of a global optimizer for effective powertrain management, leveraging big data related to road topography, weather conditions, and surrounding vehicles.
> **Team leader of Work Package 3 “Architecture and System Design”**
- MUV**
H2020 *Mobility Urban Values.*
Objectives: Increase the citizen awareness of the quality of the urban environment leveraging crowdsourcing, big data, and cloud computing technologies
> **Team leader of cloud architecture design and development.**
- I-REACT**
H2020 *Improving Resilience to Emergencies through Advanced Cyber Technologies.*
Objectives: increase the resilience of citizens and assets to natural disasters using crowdsourcing data, geospatial data, and social network sentiment analysis
> **Project management and coordination. Privacy and Security Manager.**
- GHOST**
H2020 *Galileo EnHancement as BoOster of the Smart CiTies.*
Objectives: design and validation of a GALILEO-based intelligent system for public vehicles and new cross-functional applications for city infrastructure maintenance.
> **Team leader of Work Package “Needs analysis & system requirements”**
- FLOODIS**
FP7 *Floods management and forecast service.*
Objectives: design and development of cloud-based services for the management of geo-located data in case of floods emergency
> **Project management and coordination**
- GAIN**
FP7 *GAlileo for INteractive driving.*
Objectives: Analysis and validation of GNSS solutions for road applications
> **Technical analyst**

- iDea** *Innovative Diesel Engine Application.*
Regional Objectives: Design and development of an innovative Diesel Engine compliant with future CO2 emission regulations and which could be integrated with a multi-modal hybrid architecture
> Technical leader of “User needs and requirements analysis and architectural design of cloud-based service”.
- PROSA** *Professional Software Receiver for Secure Application.*
Industrial Objectives: GPS/Galileo Software Receivers design and development for space and military industry.
> GNSS Signal processing algorithms design, development, and simulation.
- SMAT-F2** *Advanced technologies for land monitoring.*
Regional Objectives: Monitoring and control of urban, traffic, crops, pollution, and also emergencies like floods, fires, and landslides by the use of the Unmanned Aerial Vehicles (UAVs)
> Data collection system development.
- SENECA** *Ground-Based Augmentation Systems*
Industrial Objectives: Development of software for the management of a connection to a GBAS system.
> Signal processing algorithms development
- ROSA-ROSSA** *Radio Occultation data processing using a distributed architecture based on Grid Computing*
Italian Space Agency Objective: increase the knowledge of climate change through the uses of radio occultation techniques to perform the vertical profile of atmospheric temperature, pressure, and humidity.
> Satellite data management platform development

RELEVANT ARTICLES & CONFERENCES

- « Blockchain for COVID-19 contact tracing and vaccine: a systematic review. » (2021, IEEE Open Access)
- « Towards a More Transparent and Trustworthy AI. » (2021, Medium.com)
- « 12 Areas of Convergence in Which Blockchain Can Foster Better AI. » (2021, Medium.com)
- « ReClothes: A Decentralized Solution for Second-hand Clothes Recycles in the Fashion Industry » (2021, Medium.com)
- « Exponential Technologies Convergence: Can AI help Shaping a New Breed of DLTs? » (2020, Medium.com)
- « Blockchain and the governance of pandemics. » (2020, Medium.com)
- « Next Generation Blockchain-Based Financial Services. » (2020, Future Perspectives of Decentralized Applications)
- « A Big Data reference architecture for emergency management. » (2020, Information 11(12))
- « A Cloud-Based Big Data Architecture for an Intelligent Green Truck. » (2020, Conference on Sustainable Urban Mobility)
- « Detecting water using UAV-based GNSS-Reflectometry data and Artificial Intelligence. » (2019, IEEE International Workshop on Metrology for Agriculture and Forestry)
- « Detection of GNSS ionospheric scintillations based on machine learning decision tree. » (2018, IEEE Transactions on Aerospace and Electronic Systems 55 (1))
- « A machine learning approach to GNSS scintillation detection: automatic soft inspection of the events. » (2017, 30th International Technical Meeting of the Satellite Division of The Institute of Navigation)
- « Topic development-based refinement of audio-segmented television news. » (2008, International Conference on Application of Natural Language to Information Systems)

Full list of papers available at alfredofavenza.github.io/#publications

WORKING GROUPS PARTICIPATION

- Since 2017 ION's GNSS SDR Metadata Standard Working Group – Contributor and LINKS Representative
- Since 2020 The Alliance for the Internet of Things Innovation (AIOTI) – Contributor to AIOTI DLT Working Group
- 2015-2020 Big Data Value Association (BDVA) – LINKS Representative and Activity Group Member

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