

Curriculum vitae di *Leopoldo Angrisani*

Sottosettori ERC primari:

PE7_8 Networks, e.g. communication networks and nodes, Internet of Things, sensor networks, networks of robots

PE6_9 Human computer interaction and interface, visualisation

Eventuali sottosettori ERC secondari:

PE7_6 Communication systems, wireless technology, high-frequency technology;

PERSONAL DETAILS

Family name, First name: **Angrisani, Leopoldo**

Birthdate: **April 16th, 1969**

Researcher unique identifier(s) (such as ORCID, Research ID, etc. ...):

- ORCID: **ORCID.ORG/0000-0001-6932-6891**
- Scopus Author ID: "**Angrisani, Leopoldo**" - **7006649427**

URL for web site:

<https://www.docenti.unina.it/#!/professor/4c454f504f4c444f414e47524953414e494e47524c4c4436394431364639313344/riferimenti>

• Education and key qualifications

- 1997 PhD in Electrotechnical Engineering – curriculum Electrical and Electronic Measurements
Faculty of Engineering/Department of Electrical Engineering/University of Napoli Federico II,
ITALY. PhD Supervisor: Prof. Massimo D'Apuzzo
- 1993 Master Science Degree in Electronic Engineering
Faculty of Engineering/University of Salerno, ITALY

• Current positions

- 2010 - Full Professor of Electrical and Electronic Measurements
Department of Information Technology and Electrical Engineering, University of Napoli Federico II,
ITALY (<https://www.dieti.unina.it/index.php/it>)
- 2014 - Italian representative within the Validation Team-VT 60050 for the management and maintenance
of the International Electrotechnical Vocabulary, an international project of the Technical/Scientific
Committee TC1 of the IEC (International Electrotechnical Committee)
- 2014 - Member of the Technical Committee CT 1/25 "Terminology, quantities and units" of the CEI (Italian
Electrotechnical Committee)
- 2020 - Technical-Scientific Committee Coordinator of MedITech Competence Center I4.0
(<https://meditech4.com/>)
- 2023 - Chair of the Board of the Interdepartmental Ph.D. Program ICTH - Information and Communication
Technology for Health
Department of Information Technology and Electrical Engineering, University of Napoli Federico II,
ITALY (<https://icth.dieti.unina.it/index.php/en/>)
- 2024 - Chair of the Technical Committee CT 327 "Quantum Technologies" of the CEI (Italian
Electrotechnical Committee)
- 2024 - Member of the Coordination and Management Committee of the National "Made in Italy" Cluster
(<https://www.clusterinit.it/>)
- 2025 - Chair of Italian Association GMEE - Electrical and Electronic Measurements Group
(<https://www.gmee.org/>)

• Previous positions

- 2002 – 2010 Associate Professor of Electrical and Electronic Measurements

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Faculty of Engineering/Department of Computer Science and Control Systems, University of Napoli Federico II, ITALY

- 1999 – 2002 Assistant Professor of Electrical and Electronic Measurements
Faculty of Engineering/Department of Computer Science and Control Systems, University of Napoli Federico II, ITALY
- 2016 – 2023 General Manager/Director of CeSMA – Center of Advanced Measurement and Technology Services, University of Napoli Federico II, ITALY (<http://www.cesma.unina.it/>)
- 2016 – 2023 Chair of IEEE Instrumentation & Measurement Italy Chapter (<https://italy.ieeer8.org/chapters/>)
- 2019 – 2021 Chair of the National Commission for the ASN - National Scientific Qualification - for the Competition Sector 09/E4 – Measurements.
- 2022 – 2025 Vice-Chair of Italian Association GMEE - Electrical and Electronic Measurements Group (<https://www.gmee.org/>)

RESEARCH ACHIEVEMENTS AND PEER RECOGNITION

Research achievements

Leopoldo Angrisani has provided transformative contributions to the field of instrumentation and measurement, specifically by pioneering its application to wireless communication systems and networks. His career is marked by the key accomplishments, which have established new metrological benchmarks mainly for the design, testing, and optimization of advanced communication technologies. For the sake of clarity, his most relevant research outputs are presented by grouping them in 4 main accomplishments, named Acc. A), Acc. B), Acc. C), and Acc. D, and by numbering them from 1) to 20).

Acc. A) – Pioneering measurement-oriented approaches in wireless communication systems and networks.

He has been a leader in establishing a rigorous measurement culture within the wireless domain. By introducing advanced digital signal processing approaches, he developed innovative methods to solve complex test and measurement issues, directly addressing the stringent reliability and security requirements of modern wireless architectures.

The most relevant research outputs are listed below.

- 1) L. Angrisani, A. Pescapè, M. Vadursi, G. Ventre, “Performance measurement of IEEE 802.11b-based networks affected by narrowband interference through cross-layer measurements”, *IET Communications*, vol.2, No.1, Jan. 2008, pp.82-91.
The paper proposes a cross-layer approach for evaluating the vulnerability, in terms of packet loss, of IEEE 802.11b-based networks at different in-channel interfering conditions. The approach was largely appreciated by the scientific community, and its lasting societal impact is highlighted by the IET Communications Premium, he was awarded in 2009 as the author of the best paper published in IET Communications Journal.
- 2) L. Angrisani, M. Bertocco, D. Fortin, A. Sona, “Experimental Study of Coexistence Issues Between IEEE 802.11b and IEEE 802.15.4 Wireless Networks”, *IEEE Trans. on Instr. and Meas.*, vol.57, No.8, Aug. 2008, pp.1514-1523. Cited by 165.
The paper deals with coexistence issues between IEEE 802.11b wireless communication networks and IEEE 802.15.4 wireless sensor networks, both operating over the 2.4-GHz industrial, scientific, and medical band. This paper is well known to wireless sensor networks designers because it gives helpful information and hints to efficiently face mutual interference problems of such networks and optimize their setup in some real-life conditions.
- 3) L. Angrisani, D. Capriglione, L. Ferrigno, G. Miele, “Power measurement in DVBT systems: on the suitability of parametric spectral estimation in DSP based meters”, *IEEE Trans. on Instr. and Meas.*, vol.58, No.1, Jan. 2009, pp.76-86.
An innovative method, tailored to run on DSP, is proposed for power measurement of DVB-T signals. It shows very good accuracy and repeatability, comparable or even better than that peculiar of commercial spectrum analyzers.
- 4) L. Angrisani, A. Napolitano, M. Vadursi, “Modeling and Measuring the Capacity of Communication Networks”, *IEEE Trans. on Instr. and Meas.*, vol.59, No.5, May 2010, pp.1065-1072.
A very interesting and accurate measurement method is given, designed to evaluate the capacity of a wireless communication network. The reported experiments demonstrate the efficacy of the method, which assures better accuracy than that granted by competitive alternatives.
- 5) L. Angrisani, M. Vadursi, “Cross-Layer measurements for a comprehensive characterization of wireless networks in the presence of interference”, *IEEE Trans. on Instr. and Meas.*, vol.56, No.4, Aug. 2007, pp.1148-1156.
Assessing the overall performance of a wireless network operating in an unlicensed band is a very difficult task. The paper introduces a cross-layer approach to face the problem easily and in a comprehensive way, capable of quantifying useful correlations between physical layer quantities and higher layers parameters and metrics.

Acc. B) – High-impact measurement technologies for industrial applications.

An exceptional and distinctive feature of Leopoldo Angrisani’s research activity is his systematic ability to translate advanced measurement methodologies into concrete industrial solutions with measurable real-world impact. His work

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consistently bridges the gap between academic research and engineering practice, enabling the deployment of innovative measurement techniques in operational environments. This vision has led to the successful transfer of multiple technologies to leading industrial players, generating tangible benefits in terms of performance, reliability, and efficiency. The most relevant research outputs are listed below.

- 6) An automatic image-based measurement system for quality control of automotive gaskets was developed and successfully transferred to industrial practice. The system was adopted by the company SMAE and integrated into its production line, enabling faster inspection processes and significantly improved measurement accuracy in the evaluation of geometrical and physical parameters of manufactured components.
This industrial solution originates from the research work presented in:
L.Angrisani, P.Daponte, C.Liguori, A.Pietrosanto, "An image-based measurement system for the characterisation of automotive gaskets", *Measurement*, vol. 25, no. 3, April 1999, pp. 169–181.
- 7) A novel digital signal-processing technique for jitter measurement in PDH/SDH telecommunication systems was developed and validated on real production boards, leading to its successful adoption by Ericsson Lab Italy for testing their telecommunication equipment. The solution overcomes the limitations of existing ITU-T-compliant instruments, eliminating the need for timing recovery circuitry and ensuring robustness to non-ideal pulse shapes. The method is described in:
L.Angrisani, A.Baccigalupi, G.D'Angiolo, "Problems with jitter measurement in PDH/SDH based digital telecommunication systems", *IEEE Trans. on Instrumentation and Measurement*, vol. 50, no. 6, Dec. 2001, pp. 1672–1678.
- 8) A frame-level measurement apparatus for performance testing of ATM equipment was developed and successfully deployed by Ericsson Lab Italy for the evaluation of their communication systems. The solution enables accurate assessment of user-perceived quality by moving beyond traditional cell-level metrics, combining dedicated hardware and software for comprehensive testing. The underlying methodology is presented in:
L.Angrisani, A.Baccigalupi, G.D'Angiolo, "A frame level measurement apparatus for performance testing of ATM equipment", *IEEE Trans. on Instrumentation and Measurement*, vol. 52, no. 1, Feb. 2003, pp. 20–26.
- 9) A real-time digital signal-processing instrument for high-accuracy phase-noise measurement was developed and adopted by NASA's Jet Propulsion Laboratory (JPL) for testing and evaluation of high-precision timing and frequency-stability equipment. The system ensures high resolution, continuous acquisition, and cost-effective operation across a wide frequency range. The instrument is described in:
L.Angrisani, M.D'Arco, C.Greenhall, R.Schiano Lo Moriello, "A digital signal processing instrument for real time phase noise measurement", *IEEE Trans. on Instrumentation and Measurement*, vol. 57, no. 10, Oct. 2008.
- 10) Enhanced bandpass-sampling strategies and a DSP-based architecture for phase-noise measurement were developed and successfully adopted by NASA's Jet Propulsion Laboratory (JPL), enabling extended operational frequency ranges and improved standalone measurement capabilities. Experimental validation demonstrated high accuracy up to 500 MHz and strong agreement with high-end instrumentation. These techniques are detailed in:
L.Angrisani, M.D'Arco, Greenhall, R.Schiano Lo Moriello, "Optimal bandpass sampling strategies for enhancing the performance of a phase noise meter", *Institute of Physics (IOP) Publishing Measurement Science and Technology*, vol.19, Oct. 2008, pp.1-11.
- 11) Advanced microwave measurement methods for through-the-wall detection of human vital signs were developed and formed the technological basis for a new product by SELEX Sistemi Integrati S.p.A. (now Leonardo S.p.A.). Although confidentiality constraints prevent disclosure of specific details, the solution enabled high-sensitivity detection and robust operation in cluttered environments. The underlying methodology is presented in:
L.Angrisani, M.Ascione, A.Buonanno, M.D'Urso, R.Schiano Lo Moriello, "A new measurement method based on MUSIC algorithm for through-the-wall detection of life signs", *IEEE Trans. on Instr. and Meas.*, vol.62, No.1, Jan. 2013, pp. 13-26.
- 12) A multisensor RF measurement system for through-the-wall detection and tracking of moving targets was developed and served as the technological foundation for a new product by SELEX Sistemi Integrati S.p.A. (now Leonardo S.p.A.). The system enables reliable real-time localization of moving targets in complex environments, with high robustness to noise and clutter. The corresponding research is described in:
L.Angrisani, M.Ascione, A.Buonanno, M.D'Urso, M.Felaco, N.Pasquino, G.Prisco, R.Schiano Lo Moriello, "A new measurement method for through-the-wall detection and tracking of moving targets", *Measurement*, vol.46, No.7, July 2013, pp.1834-1848.
- 13) Measurement methodologies for uncertainty evaluation in THz imaging systems based on compressive sampling were developed and formed the technological basis for a new product by MBDA Italia S.p.A. The results provided key guidelines for system configuration and reliable defect detection in non-destructive inspection applications. The methodology is presented in:
L.Angrisani, F.Bonavolontà, G.Cavallo, A.Liccardo, R.Schiano Lo Moriello, "On the Measurement Uncertainties of THz Imaging Systems based on Compressive Sampling", *Measurement*, vol.116, Feb. 2018, pp.83-95.
- 14) An innovative microwave reflectometry system for detecting and localizing anomalies in metallic pipelines was developed and transferred to industry, forming the basis for a new product by Monitech S.r.l., a spin-off company

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of the University of Salento. The solution enables accurate in-field monitoring of structural defects using advanced signal processing techniques.

The system is described in:

L.Angrisani, G.Cannazza, A.Cataldo, E.De Benedetto, E.Piuzzi, “A Microwave Measuring System for Detecting and Localizing Anomalies in Metallic Pipelines”, *IEEE Trans. on Instr. and Meas.*, vol.70, 2021.

Acc. C) – Sustainability-Aware Metrology for ICT systems.

He has defined a new research frontier to define reliable methods to measure the environmental impact of ICT systems, with particular attention to wireless systems and measurement systems, an absolute novelty in this sector. By integrating GUM-compliant uncertainty analysis with environmental impact assessment, he provided the scientific community with the tools to quantify and mitigate the ecological footprint of ICT systems, aligning measurement science with global green transition goals. This emerging research line is rapidly drawing strong interest from the industrial sector, which increasingly views sustainability-aware metrology as a strategic asset for guiding technological choices and demonstrating environmental accountability.

The most relevant research outputs are listed below.

- 15) L.Angrisani, P.Arpaia, M.D'Arco, E.De Benedetto, A.Esposito, M.Imbò, A.Tedesco, “Measurement sustainability: A first methodological step for its modeling and assessment”, *Measurement*, vol.209, March 2023.

The paper proposes a first methodological approach for the modeling and assessment of environmental sustainability of measurements as part of ICT. An iterative approach is presented to assess the impacts of the measurement as a whole. This also paves the way to unveil the relation between measurement sustainability and measurement uncertainty.

- 16) L.Angrisani, M.D'Arco, E.De Benedetto, L.Duraccio, M.Imbò, A.Tedesco, “Sustainability-aware measurement design: How to select the right measuring system”, *Measurement*, Vol. 240, Jan. 2025.

The paper focuses on the selection, for a given measurand, of the most suitable measuring system from a sustainability perspective. Specifically, the proposed methodology is developed within a framework that considers the pillars of measurement uncertainty and those of sustainability assessment.

- 17) A metrology-driven methodology for assessing the sustainability balance of ICT infrastructures was developed and is currently used by Movyon S.p.A. (Autostrade per l'Italia Group) to support decision-making processes for motorway systems. The approach enables the quantitative evaluation of both generated and avoided emissions over time, demonstrating the environmental benefits of ICT-enabled infrastructure solutions and providing a robust basis for sustainability-oriented investments.

The methodology is presented in:

L.Angrisani, M.D'Arco, G.Bonini, E.De Benedetto, L.Duraccio, I.Esposito, A.Tedesco, “Sustainability Balance for ICT Infrastructures: A Time-Scale Analysis of the Dynamic Fourth Lane on the A4 Italian Motorway”, *IEEE Access*, Vol.13, Sept. 2025.

- 18) L.Angrisani, M.D'Arco, E.De Benedetto, L.Duraccio, I.Esposito, A.Tedesco, “Environmental sustainability of Artificial Intelligence: A GUM-based, user-centered measurement framework”, *Measurement*, Vol.268, April 2026.

The paper addresses the lack of user-centered methods for assessing the environmental sustainability of AI pipelines. It proposes a rigorous framework based on ISO sustainability standards and the Guide to the Expression of Uncertainty in Measurement (GUM) to quantify and aggregate the carbon footprint across all stages of an AI pipeline.

Acc. D) – Technological innovation and intellectual property.

Demonstrating a significant impact on industrial innovation in the communications sector, he has recently secured two patents for advanced measurement systems. These achievements highlight his ability to translate high-level research into protected, exploitable technologies that solve real-world challenges in the monitoring and sensing of wireless signals and systems.

- 19) Inventor of Industrial Invention Patent No. 102024000000807, ‘System and method for reporting an abnormal traffic event along a road infrastructure’, filed on January 17, 2024, and granted by Italian Ministry of Enterprises and Made in Italy.
- 20) Inventor of Industrial Invention Patent No. 102024000002530, ‘Grazing Illumination Optics,’ filed on February 7, 2024, and granted by the Ministry of Enterprises and Made in Italy.

Leopoldo Angrisani’s publication record and bibliometric indicators (source SCOPUS): **133** published journal papers, **199** conference proceedings, **12** editorials, **1** edited book, **7** book chapters, **31** h-index, **289** citations of top cited paper, **4,284** total number of citations.

Peer recognition

- In 2009, he was awarded the **IET Communications Premium** for the paper entitled “Performance measurement of IEEE 802.11b-based networks affected by narrowband interference through cross-layer measurements” (published in IET Communications, vol. 2, No. 1, January 2008).
- The IEEE Instrumentation & Measurement Society Italy Chapter, which he chaired from 2015 to 2023, was awarded in 2016 the prestigious recognition “**I&M Society Best Chapter Award**” by the IEEE Instrumentation & Measurement Society, in 2017 the prestigious recognition “**Most Improved Membership Chapter for 2016**” by

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the IEEE Italy Section, in 2018 the prestigious recognition “**Most Innovative Chapter 2018**” by the IEEE Italy Section, and in 2021 the prestigious recognition “**Chapter of the Year 2021**” by the IEEE Region 8 (Europe, Middle East, Africa) with the following citation “for being quick to adapt to the world of online opportunities and serving their members and the technical community and establishing goodwill within the Section and between Region 8 Sections for the associated virtually held activities and related contributions during the hard Covid-19 times in 2020”.

- In 2021, he was awarded the prestigious recognition “**2021 IEEE Instrumentation and Measurement Society Technical Award**” with the following citation “For contributions in the advancement of innovative methods and techniques for communication systems test and measurement”.
- He is **Fellow of the European Academy of Sciences (EurASc)**, one of the most prestigious independent scientific academies at European level.
- He is **Fellow Member of the IEEE** – Institute of Electrical and Electronics Engineers.
- He is **corresponding member of the Accademia Pontaniana** in Napoli, the oldest Italian academy, with almost 600 years of history, which has always brought together renowned Neapolitan scholars.
- He has been invited to give numerous **Keynote Speeches** at scientific conferences, including:
 - “Advantages and Limits of Error Vector Usage in Performance Assessment of Wireless Systems and Apparatuses”, in the Workshop WSF - Accuracy of System Level Figures of Merit for Wireless Applications, *IEEE International Microwave Symposium 2005 - IMS 2005*, June 12-17, 2005, Long Beach, California, USA;
 - “Reshaping Measurements in the 4.0 Era”, *2020 World Conference on Computing and Communication Technologies - WCCCT 2020*, May 13-15, 2020, Warsaw, Poland;
 - “Uncertainty for Big (Measurement) Data”, *2021 World Conference on Computing and Communication Technologies - WCCCT 2021*, January 23-25, 2021, Dalian, China;
 - “Reshaping Measurements in the 4.0 Era” - Plenary Speaker - *IEEE International Workshop on Metrology for Industry 4.0 and IoT – MetroInd4.0&IoT 2021*, June 7-9, 2021, Roma, Italy;
 - “Cyber Physical Measurement System: the 4.0-driven evolution of IoT technology in measurement applications”, *IEEE-Portugal Engineering Day 2021 - ED’21*, 26 November 2021, Instituto Superior de Engenharia do Porto (ISEP-IPP), Oporto, Portugal;
 - “Artificial Intelligence and Measurement Science: A Synergetic Interaction for the 4.0 Era and the (r)evolution into Cyber-Physical Measurement Systems”, *7th International Conference on Machine Learning Technologies - ICMLT 2022*, March 11-13, 2022, Roma, Italy;
 - “Technological Challenges in Digital Signal Acquisition”, *9th International Conference on Electrical and Electronics Engineering – ICEEE 2022*, March 29-31, 2022, Alanya, Turkey;
 - “Measurement Sustainability: a sound enabler for Green AI?”, *8th International Conference on Machine Learning Technologies – ICMLT 2023*, March 10-12, 2023, Stockholm, Sweden;
 - “Soft Growing Sensors: A context-aware evolution of Cyber-Physical Measurement Systems”, *12th International Conference on Software and Information Engineering – ICSIE 2023*, November 21-23, 2023, Sharm El-Sheikh, Egypt;
 - “How green is your AI-based measurement?”, *4th International Conference on Computer Communication and Information Systems – CCCIS 2024*, February 27-29, 2024, Phuket, Thailand;
 - “AI-based measurements: a new sustainability-aware perspective” *9th International Conference on Machine Learning Technologies - ICMLT 2024*, May 24-26, 2024, Oslo, Norway;
 - “Biosignal-based human-machine interfaces: a metrological approach to performance characterization” *1st International Online Conference on Bioengineering – IOCBE 2024*, October 16-18, 2024.
 - “Measuring with artificial intelligence: opportunities, challenges, and future perspectives”, *12th International Conference on Electrical and Electronics Engineering – ICEEE 2025*, Istanbul, Turkey, September 24-26, 2025.
 - “AI-Driven Measurement Systems: Metrological Validation and Environmental Sustainability”, *IEEE Symposium on Artificial Intelligence for Instrumentation and Measurement – AI4IM 2026*, May 21-23, 2026.

ADDITIONAL INFORMATION

Other contributions to the research community

Leopoldo Angrisani has always sought to transfer the results of his research toward industrial applications with significant real-world impact. In line with this long-standing vision, he has continuously promoted and led numerous industrial research projects in cooperation with small, medium, and large enterprises, ensuring that advanced measurement methodologies rapidly evolve into deployable technologies. This strategic orientation has also enabled the attraction of substantial competitive funding over the years, with a cumulative volume of research grants approaching 30Meuros. The most relevant funded projects are listed below.

(2009-2012) – Scientific coordinator for Federico II University of the R&D project “PIEZORAIL - Electricity generation systems using piezoelectric components for applications to rail transport systems in urban areas” - in collaboration with Ansaldo-STG SpA and Pantecnica S.p.A., funded by Italian Ministry of the Environment and Protection of the Territory and the Sea.

(2010-2013) - Scientific coordinator for Federico II University of the R&D project “MELISSA - Microwave Electronic Imaging Security & Safety Access”, in collaboration with MBDA, ERA Electronic System, RF MICROTECH, IFN-CNR, CNIT, SIRIO MICROELETTRONICA, GAROFOLI, University of Napoli Parthenope, funded by Italian MiSE - Ministry of Economic Development as part of the program Industry 2015 - Call for New Technologies for Made in Italy.

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(2012-2015) - Principal Investigator for Federico II University of the R&D project, proposed by MBDA Italia Spa, Fox Bit Srl, University of Napoli Federico II, Second University of Naples and University of Salerno, in the context of the Development Contract “Development and Industrialization of Radio Frequency Systems and Electromagnetic Windows (SIREna)”, funded by Italian MiSE – Ministry of Economic Development.

(2012-2015) - Scientific coordinator for Federico II University of the R&D program included in the proposal for the Regional Program Contract “Technologies of systems for territorial and air safety”, presented by the T2STAR Consortium, formed by MBDA Italy and Netgroup, jointly with the University of Napoli Federico II, the Second University of Napoli, the University of Salerno, the University of Napoli Parthenope and the University of Sannio, funded by Campania Region. The R&D program was aimed at the study, definition and development of advanced technologies for complex systems and algorithms in the avionics field.

(2012-2015) - Scientific coordinator for Federico II University of the R&D program included in the proposal of the Regional Program Contract “Advanced technologies for avionics systems”, presented by the TECNEVA Consortium, formed by 3F & EDIN, AR.TER., INTECS, MEDINOK and NEXT, jointly with the University of Napoli Federico II, the Second University of Napoli, the University of Salerno, the University of Napoli Parthenope and the University of Sannio, funded by Campania Region. This R&D program was intimately connected to that developed by the T2STAR Consortium.

(2014-2017) - Scientific coordinator for Federico II University of R&D project “Telemaco - Enabling technologies and innovative electronic scanning systems of the beam in millimeter and centimeter band for radar applications on board aircraft” - proposed by the DAC - Aerospace District of Campania, funded by Italian MIUR – Ministry of Education, University and Research, and actuated by MBDA Italia (Prime), the University of Napoli Federico II, the University of Sannio, the Co.Ri.STA. Consortium, CIRA, Foxbit and the Antares Consortium.

(2019-2023) - Principal Investigator of the R&D project “TRANSFER - Innovative technologies for the construction of a smart farm in the buffalo sector”, funded by Italian MiSE – Ministry of Economic Development and actuated by Federico II University in collaboration with Gematica Srl, as an industrial partner, and the agrifood company "LENZA LUNGA" of F.Ili Cacciapuoti S.S.

(2023-) - Scientific coordinator for Federico II University of the R&D project “ISPEDIA - Innovation and efficiency for the inspection of infrastructures through the use of drones, artificial intelligence and smart devices”, funded by Italian MIMIT - Ministry of Enterprises and Made in Italy. and actuated by 3F & EDIN S.p.A. (Prime), the University of Napoli Federico II, Nauticad S.r.l., Test and Manufacturing Engineering S.r.l.

(2025-) - Principal Investigator of the R&D project “SHINE-QC - Hardware and software solutions for the engineering of a quantum computing platform”, funded by Italian MIMIT - Ministry of Enterprises and Made in Italy. and actuated by Test and Manufacturing Engineering S.r.l. (Prime), the University of Napoli Federico II, Faticoni S.p.A.

During his tenure as General Manager/Director of CeSMA (2016–2023), Leopoldo Angrisani fostered an unprecedented level of integration between the academic environment and major national and international industries. Under his leadership, CeSMA became a strategic technological hub, capable of establishing solid and long-standing synergies with global companies such as Cisco, STMicroelectronics, Accenture, Jabil, TIM, RINA, and many others. These collaborations enabled the creation of joint laboratories, co-designed research programs, and advanced experimental facilities, positioning CeSMA as a reference point for high-technology innovation in Italy and abroad. His strategic vision transformed CeSMA into a trusted partner for industrial stakeholders seeking cutting-edge measurement, testing, and prototyping capabilities, consolidating its role as a catalyst for innovation and technology transfer at the European level. The effectiveness of this model received widespread national and international recognition, with the San Giovanni Campus being acknowledged as a best practice for the efficient and impactful use of European structural funds.

For several years he was a member of the Technical Roundtable for the services available with the new 5G technology, directed by AGCOM (Authority for Communications Guarantees).

From 2018 to 2024, he was a member of the Board of Directors of STRESS Scarl - High Technology District for Sustainable Construction, one of the most accredited bodies in the field of innovation for constructions in the south of Italy.

Career breaks, diverse career paths and major life events

Nothing to highlight

Napoli, April 10th, 2026

Leopoldo Angrisani