

Curriculum Vitae

INFORMAZIONI PERSONALI

Nome SALVATORE
Cognome VITABILE
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FORMAZIONE TITOLI

Prof. Salvatore Vitabile is a Full Professor of Computer Science with the Department of Biomedicine, Neuroscience and Advanced Diagnostics of the University of Palermo, Italy. His main educational milestones were:

- University of Palermo: Ph.D. Computer Science (1999)
- Institute for Cosmic Physics Studies – Italian National Research Council - Scholarship on cosmic rays detection (1995)
- University of Palermo: Dr. Ing Degree in Electronic Engineering (M.S.E.E) (1994)

ATTIVITA' DIDATTICA

Prof. Salvatore Vitabile teaching activities can be summarized as follows:

- **(2005-present) University of Palermo, Palermo, Italy - College of Medicine and Surgery:**

- Fundamentals of Computer Science
- Digital Image Processing and Archiving
- Fundamentals of Bioinformatics
- Medical Information Systems
- Artificial Intelligence

- **(2000-2005) University of Palermo, Palermo, Italy - College of Engineering:**

- Digital Computation
- Computer Architecture and Organization

• (1998-2000) University of Palermo, Palermo, Italy - College of Agricultural Science:

- Fundamentals of Computer Science

The list of the last subjects is available on: [subjects list \(in italian\)](#)

RICERCHE FINANZIATE

Prof. Salvatore Vitabile has coordinated numerous national and international research projects mostly focused on medical imaging, AI, and healthcare technology:

• [2026-2028] – **Principal Investigator of the UNIPA research unit**, Innovative Gender Medicine Approaches (IGEAs), Programma Nazionale della Ricerca 2021–2027, D.M. 307/2025.

• [2023-2026] – **Local Principal Investigator**, “*IRRESPECTIVE: A Pilot analysis of behavioral and operational data for detecting socio-emotional precursors of mild cognitive impairments (MCI) and dementia*” - PRIN: Progetti di Ricerca di Rilevante Interesse Nazionale – Bando 2022 PNRR.

• [2023-2026] – **Local Principal Investigator**, *EXEGETE: Explainable Generative Deep Learning Methods for Medical Image and Signal Processing* - PRIN: Progetti di Ricerca di Rilevante Interesse Nazionale – Bando 2022.

• [2023-2026] – **Scientific Coordinator**, *5G4ASSAC - 5G 4 A Smart Sicilian Academic Campus*”, CEF-DIG-2021-5GSMARTCOM, Topic: CEF-DIG-2021-5GSMARTCOM-WORKS, Type of Action: CEF-INFRA, Connecting Europe Facility (CEF).

• [2022-2026] – **WP Leader** “*DARE - Digital lifelong prevention*” - Piano Nazionale per gli investimenti Complementari - Avviso MUR Decreto Legge 6 maggio 2021, n. 59, convertito, con modificazioni, dalla legge 1° luglio 2021, n. 101 - Piano Nazionale per gli investimenti Complementari - PNC al Piano nazionale di ripresa e resilienza.

• [2022-2026] – **WP Leader** *HEAL ITALIA - Health Extended Alliance for Innovative Therapies, Advanced Lab-research, and Integrated Approaches of Precision Medicine* - Piano Nazionale di Ripresa e Resilienza - PNRR, Missione 4 “Istruzione e ricerca” – NextGenerationEU, Tematica 6. Diagnostica e Terapie Innovative nella Medicina di Precisione.

• [2022-2027] - **Principal Investigator** Research Co-Operation Framework Agreement on *Mathematical Models for Explainable Artificial Intelligence*, University of Palermo, Italy; Brno University of Technology, Czech Republic.

• [2022-2024] – **Principal Investigator** *A Trustworthy Clinical Decision Support System for non-communicable diseases detection and prediction*, University of Palermo.

• [2018-2023] - **Principal Investigator** Co-Operation Framework Agreement for the Establishment of Research Networking on *Clifford Algebra based applications for medical image processing and their hardware/software implementations*, University of Palermo, Italy; Universitat Politècnica De Catalunya, Spain; Brno University of Technology, Czech Republic.

• [2015-2029] - European Commission - *chiPSet: High-Performance Modelling and Simulation for Big Data Applications*. **Elected MC member substitute for Italy** and **WorkGroup Vice-Leader**. Horizon 2020 ICT COST Action IC1406, Principal Investigator Prof. Joanna Kolodziej, Cracow Institute of Technology, Poland.

• [2014-2016] - Italian Minister of Education University and Research – “*BD4BREAST - A Smart Framework for Clinical Big Data*

Analysis in a Decision Support System for Breast Pathologies Diagnosis”, PON R&C 2007-2013 – Avviso D.D. MIUR prot. 436 del 13/03/2013 – Project Code PAC02L100106 - **Principal Investigator**.

- [2013-2015] - Italian Minister of Education University and Research – "SMART HEALTH - CLUSTER OSDH - SMART FSE - STAYWELL" – ON Smart Cities PON04a2C - **Principal Investigator of the local department unit**.

INCARICHI / CONSULENZE

Prof. Salvatore Vitabile has been appointed with the following organisational services:

- Coordinator of the Degree Course in Medicine and Surgery, technological program – University of Palermo [2022-Present]
- Rector’s Delegate to the University Digital Service Coordination – University of Palermo [2021-2023];
- Director’s Delegate to the Department Knowledge and Technological Transfer Activities - Department of Biomedicine, Neuroscience, and Advanced Diagnostics, University of Palermo [2019-2024].
- Rector’s Delegate to the University Computer Rooms – University of Palermo [2014-2015];
- Coordinator of the Erasmus+ Programme 2017-2020/2021 and 2021/2027, Key Action 1 – Mobility for learners and staff – Higher Education Student and Staff Mobility - University of Palermo, Italy and Brno University of Technology, Czech Republic.

ASSOCIAZIONI SCIENTIFICHE

Prof. Salvatore Vitabile is a member of:

- Board of Directors of [SIREN](#) (Italian Society of Neural Networks)
- [AIxIA](#) (Italian Association for Artificial Intelligence)

PUBBLICAZIONE

Prof. Salvatore Vitabile updated publication list is available on:

Scopus: [Author Profile](#)

Web of Science: [Author Profile](#)

ORCID; [Author Profile](#)

ATTIVITA' SCIENTIFICHE

Editorship

- [03/2021-present] **Associate Editor** of Human-centric Computing and Information Sciences (HCIS), KIPS-CSWG, ISSN: 2192-1962 (IF=5.900, ranks 25/162, WoS Q1 in category "Computer Sciences, Information Systems");
- [08/2019-present], **Editorial Board Member** of Electronics (ISSN 2079-9292), MDPI, Switzerland (IF=2.397, Citescore=2.7 Scopus, Scimago Q2 in category "Computer Science/Computer Networks and Communications, Hardware and Architecture, Signal Processing");

- [10/2012 – 06/2017] **Editor in Chief** of the International Journal of Adaptive and Innovative Systems, Inderscience Publishers.
- [01/2014 - 04/2018] **Associate Editor** of the Journal of Ambient Intelligence and Humanized Computing (AIHC), Springer, ISSN: 1868-5137 (Print) 1868-5145 (Online)

Guest Editorship of Refereed International Journals

- Hypercomplex signal and image processing, SI in **IEEE Signal Processing Magazine**, Vol. 41 (2, 3), 2024, IEEE.
- Digital Systems Design 2021, **Microprocessors and Microsystems**, Vol. 96-99, Feb-Jun 2023, , Elsevier.
- HCI for Biomedical Decision-Making: From Diagnosis to Therapy, **Journal of Biomedical Informatics**, (2020), doi: <https://doi.org/10.1016/j.jbi.2019.103214>, Elsevier;
- Big Data and Signal Processing, **International Journal of Applied Mathematics and Computer Science**, Vol. 30, No. 3, September 2020, Walter de Gruyter GmbH;
- User Interfaces and Interaction Models in Context based Computing, **International Journal of Ad Hoc and Ubiquitous Computing (IJAHUC)**, (2013), Inderscience Publishers.
- Recent Advances in Mobile and Multimedia Applications, **Journal of Mobile Multimedia (JMM)**, Vol. 6, No. 1, (2010), Rinton Press.
- Information Assurance and Advanced Human-Computer Interfaces, **Mobile Information Systems (MOBIS)**, Vol. 4, No. 3, (2008), IOS Press;

Edited Refereed Conference Proceedings

- 24th Euromicro Conference on Digital System Design (DSD-2021), F. Loporati, S. Vitabile, A. Skavhaug Editors, IEEE Computer Society.
- Sixth International Conference on Complex, Intelligent and Software Intensive Systems (CISIS-2012), L. Barolli, F. Xhafa, S. Vitabile, M. Uehara Editors, IEEE Computer Society.
- Fourth International Conference on Complex, Intelligent and Software Intensive Systems (CISIS-2010), L. Barolli, F. Xhafa, S. Vitabile, HH. Hsu Editors, IEEE Computer Society.

Chairmanships in Refereed International Conferences and Workshops

- Program Chair del 4th IEEE International Symposium on Embedded Computing (SEC 2007), IEEE 21st International Conference on Advanced Information Networking and Applications (AINA 2007), May 21-23, 2007, Niagara Falls, Ontario, Canada.
- General Chair del First International Workshop on Intelligent Interfaces for Human-Computer Interaction (IIHCI-2008), International Conference on Complex, Intelligent and Software Intensive Systems (CISIS-2008), Barcelona, Spain, March 4th-7th, 2008.
- General Chair del Second International Workshop on Intelligent Interfaces for Human-Computer Interaction (IIHCI-2009), International Conference on Complex, Intelligent and Software Intensive Systems (CISIS-2009), Fukuoka, Japan, March 16th-19th, 2009.

- Organizing Committee member (Publicity Chair) della International Conference on Complex, Intelligent and Software Intensive Systems (CISIS-2009), Fukuoka, Japan, March 16th-19th, 2009.
- Steering Committee Member del 19th Italian Workshop on Neural Networks (WIRN 2009), May 28-30, 2009, Vietri sul Mare, Salerno, Italy.
- Steering Committee member e Workshops Chair della 8th International Conference on Embedded Computing (EmbeddedCom-09), Sep. 25-29, 2009, Dalian, China.
- Area Chair (Track on Intelligent Information Systems) della International Conference on Network-Based Information Systems (NBiS 2009), Indianapolis, USA, Aug. 19-21, 2009.
- Program Committee Chair della International Conference on Complex, Intelligent and Software Intensive Systems (CISIS-2010), The Andrzej Frycz Modrzewski Krakow University, Krakow, Poland, Feb. 15th - 18th, 2010.
- General Chair del Third International Workshop on Intelligent Interfaces for Human-Computer Interaction (IIHCI-2010), International Conference on Complex, Intelligent and Software Intensive Systems (CISIS-2010), The Andrzej Frycz Modrzewski Krakow University, Krakow, Poland, Feb. 15th - 18th, 2010.
- Program Vice-chair della IEEE 24th International Conference on Advanced Information Networking and Applications (AINA 2010) - Track on Vehicular Networks and Applications, Perth, Australia, April 20-23, 2010.
- Steering Committee Member del 20th Italian Workshop on Neural Networks (WIRN 2010), May 27-29, 2010, Vietri sul Mare, Salerno, Italy.
- Track Chair (Track on Intelligent Networking and Embedded Systems) della Fifth International Conference on Broadband, Wireless Computing, Communication and Applications (BWCCA-2010), November 4-6, 2010, Fukuoka, Japan.
- Organizing Committee member (International Liaison Chair) della IEEE 25th International Conference on Advanced Information Networking and Applications (AINA 2011), Biopolis, Singapore, March 22-25, 2011.
- Steering Committee Member del 21th Italian Workshop on Neural Networks (WIRN 2011), June 3-5, 2011, Vietri sul Mare, Salerno, Italy.
- International Advisory Board member della European Conference on Modelling and Simulation (ECMS 2011), June 7-10th 2011, Krakow, Poland.
- General Chair del 4th International Workshop on Intelligent Interfaces for Human-Computer Interaction (IIHCI-2011), International Conference on Complex, Intelligent and Software Intensive Systems (CISIS-2011), Seoul, Korea, June 30-July 2, 2011.
- Workshops Chair della International Conference on Complex, Intelligent and Software Intensive Systems (CISIS-2011), Seoul, Korea, June 30-July 2, 2011.
- Organizing Committee member (Publication Chair) della 14th International Conference on Network-Based Information Systems (NBiS2011), Tirana, Albania 7-9 September 2011.
- Track Chair (Track on Intelligent Networking and Embedded Systems) della Sixth International Conference on Broadband, Wireless Computing, Communication and Applications (BWCCA-2011), Barcelona, Spain, October 26-28, 2011.
- Program vice-chair e Track Chair (Track on Embedded Applications and Interdisciplinary Topics) della 8th IEEE International

Conference on Embedded Software and Systems (IEEE ICCESS-2011), Changsha, China, November 16-18, 2011.

· Organizing Committee member (Publicity Chair) della IEEE 26st International Conference on Advanced Information Networking and Applications (AINA 2012), Roppongi, Tokyo, Japan, March 26-29, 2012.

· Steering Committee Member del 22th Italian Workshop on Neural Networks (WIRN 2012), May 17-19, 2012, Vietri sul Mare, Salerno, Italy.

· General Chair del 5th International Workshop on Intelligent Interfaces for Human-Computer Interaction (IIHCI-2012), International Conference on Complex, Intelligent and Software Intensive Systems (CISIS-2012), Palermo, Italy, July 4-6, 2012.

· Program Committee Chair della International Conference on Complex, Intelligent and Software Intensive Systems (CISIS-2012), Palermo, Italy, July 4-6, 2012.

· Workshops Chair della 7th International Conference on Broadband, Wireless Computing, Communication and Applications, (BWCCA 2012), 12-14 November 2012, Victoria, Canada.

· Organizing Committee Member (International Liaison Chair) della 15th International Conference on Network-Based Information Systems (NBIS-2012), Melbourne, Australia, September 26-28, 2012.

· Steering Committee Member del 23th Italian Workshop on Neural Networks (WIRN 2013), May 23-24, 2013, Vietri sul Mare, Salerno, Italy.

· General Chair del 6th International Workshop on Intelligent Interfaces for Human-Computer Interaction (IIHCI-2013), International Conference on Complex, Intelligent and Software Intensive Systems (CISIS-2013), July 3-5, 2013, Asia University, Taichung, Taiwan.

· Workshops Chair della International Conference on Complex, Intelligent and Software Intensive Systems (CISIS-2013), July 3-5, 2013, Asia University, Taichung, Taiwan.

· Program Committee Chair della 16th International Conference on Network-Based Information Systems (NBIS-2013), September 4-6, 2012, Gwangju, Korea.

· Workshops Chair della Eighth International Conference on Broadband and Wireless Computing, Communication and Applications (BWCCA-2013), October 28-30, 2013, Compiègne, France.

· Steering Committee Member del 24th Italian Workshop on Neural Networks (WIRN 2014), May 15-16, 2014, Vietri sul Mare, Salerno, Italy.

· Track Chair (Track on Systems for Biological and Medical Applications) della International Conference on Complex, Intelligent and Software Intensive Systems (CISIS-2014), July 2-4, 2014, Birmingham, UK.

· Program Committee Chair del 2014 IEEE 8th International Symposium on Embedded Multicore/Many-core SoCs (MCSoc'14), September 23-25, 2014, University of Aizu, Aizu, Japan.

· Track Chair (Track on Intelligent Computing and Networking) della 17th International Conference on Network-Based Information Systems (NBIS-2014), September 10-12, 2014, Salerno, Italy.

· Steering Committee Member del 25th Italian Workshop on Neural Networks (WIRN 2015), May 21-22, 2015, Vietri sul Mare, Salerno, Italy.

- Track Chair (Track on Intelligent Computing and Networking) della 18-th International Conference on Network-Based Information Systems (NBIS-2015), September 24, 2015, Taipei, Taiwan.
- Steering Committee Member del 26th Italian Workshop on Neural Networks (WIRN 2016), May 18-20, 2016, Vietri sul Mare, Salerno, Italy.
- Track Chair (Track on Biological Systems, e-Health and Human Computer Interaction Interfaces) della International Conference on Complex, Intelligent and Software Intensive Systems (CISIS-2016), July 6th-8th, 2016, Fukuoka, Japan.
- Track Chair (Track on Agents, Semantics and Intelligent Computing) della 31st IEEE International Conference on Advanced Information Networking and Applications (AINA-2017), March 27-29, 2017, Taipei, Taiwan.
- Steering Committee Member del 27th Italian Workshop on Neural Networks (WIRN 2017), June 14-16, 2017, Vietri sul Mare, Salerno, Italy.
- Track Chair (Track on Artificial Intelligence and Bio-Inspired Computing) della International Conference on Complex, Intelligent and Software Intensive Systems (CISIS-2017), July 10-12, 2017, Torino, Italy.
- Track Chair (Track on Intelligent Computing and Networking) della 20-th International Conference on Network-Based Information Systems, (NBIS 2017), August 24-26, 2017, Canada.
- Track Chair (Track on Intelligent Computing) della 12th International Conference on Broad-Band Wireless Computing, Communication and Applications, (BWCCA-2017), November 8-10, 2017, Barcelona, Spain.
- Track Chair (Track on Agents, Semantics and Intelligent Computing) della 32nd IEEE International Conference on Advanced Information Networking and Applications (AINA-2018), May 16-18, 2018, Cracow, Poland.
- Steering Committee Member del 28th Italian Workshop on Neural Networks (WIRN 2018), June 13-15, 2018, Vietri sul Mare, Salerno, Italy.
- Track Chair (Track on Embedded Multicore/Manycore SoC Applications) del IEEE 12th International Symposium on Embedded Multicore/Many-core Systems-on-Chip (MCSoc-2018), September 12-14, 2018, Hanoi, Vietnam.
- Track Chair (Track on Artificial Intelligence and Bio-Inspired Computing) della International Conference on Complex, Intelligent and Software Intensive Systems (CISIS-2018), July 4-6, 2018, Matsue, Japan.
- Track Chair (Track on Agents, Semantics and Intelligent Computing) della 33rd IEEE International Conference on Advanced Information Networking and Applications (AINA-2019), March 27-29, 2019, Matsue, Japan.
- Steering Committee Member del 29th Italian Workshop on Neural Networks (WIRN 2019), June 12-14, 2019, Vietri sul Mare, Salerno, Italy.
- Track Chair (Track on Artificial Intelligence and Bio-Inspired Computing) della International Conference on Complex, Intelligent and Software Intensive Systems (CISIS-2019), July 3-5, 2019, Sidney, Australia.
- Track Chair (Track on Bio-Inspired Computing and Pattern Recognition) della 14th International Conference on P2P, Parallel, Grid, Cloud and Internet Computing (3PGCIC-2019), November 7-9, 2019, Antwerp, Belgium.
- Technical Program Vice Chair e Track Chair (Track on Embedded Multicore/Manycore SoC Applications) dell'IEEE 13th International Symposium on Embedded Multicore/Many-core SoCs (MCSoc'19), October 1-4, 2019, Singapore.

- Track Chair (Track on Artificial Intelligence and Bio-Inspired Computing) della International Conference on Complex, Intelligent and Software Intensive Systems (CISIS-2020), July 1-3, 2020, Lodz, Poland.
- Organizing Committee Member (Publicity/Industry Liaison Chair) della 2020 International Conference on Intelligent Computing (ICIC 2020), October 2-5, 2020, Bari, Italy.
- Track Chair (Track on Bio-Inspired Computing and Pattern Recognition) della 15th International Conference on P2P, Parallel, Grid, Cloud and Internet Computing (3PGCIC-2020), Yonago City, Japan, October 28-30, 2020.
- Track Chair (Track on Artificial Intelligence and Bio-Inspired Computing) della International Conference on Complex, Intelligent and Software Intensive Systems (CISIS-2021), July 1-3, 2021, Asan, Korea.
- Program Chair della 24th Euromicro Conference on Digital System Design (DSD 2021), September 1–3, 2021, Palermo, Italy.
- Scientific Committee Member e Session Chair (Hardware and Software Implementations) della 8th Conference on Applied Geometric Algebras in Computer Science and Engineering (AGACSE 2021), Brno, Czech Republic, 6-10 September 2021.
- Track Chair (Track on Bio-Inspired Computing and Pattern Recognition) della 16th International Conference on P2P, Parallel, Grid, Cloud and Internet Computing (3PGCIC-2021), Fukuoka, Japan, October 28-30, 2021.
- Program Vice Chair dell'IEEE 14th International Symposium on Embedded Multicore/Many-core SoCs (MCSoc-2021), December 20-23, 2021, Singapore.
- Track Chair (Track on Artificial Intelligence and Bio-Inspired Computing) della International Conference on Complex, Intelligent and Software Intensive Systems (CISIS-2022), June 29-July 1, 2022, Kitakyushu, Japan.
- Track Chair (Track on Application of AI and Informatics in Healthcare) della International Conference on Artificial Intelligence and Informatics (AII 2022), Reggio Calabria, Italy, September 1-3, 2022.
- Steering Committee Member del 30th Italian Workshop on Neural Networks (WIRN 2022), September 07-09, 2022, Vietri sul Mare, Salerno, Italy.
- Track Chair (Track on Bio-Inspired Computing and Pattern Recognition) della 17th International Conference on P2P, Parallel, Grid, Cloud and Internet Computing (3PGCIC-2022), Tirana, Albania, October 27-29, 2022.
- Track Chair (Track on Artificial Intelligence and Bio-Inspired Computing) della International Conference on Complex, Intelligent and Software Intensive Systems (CISIS-2023), July 5-7, 2023, Toronto, Canada.
- Track Chair (Track on Bio-Inspired Computing and Pattern Recognition) della 18th International Conference on P2P, Parallel, Grid, Cloud and Internet Computing (3PGCIC-2023), November 8 - 10, 2023, Daegu, South Korea.
- Scientific Committee Member della 9th Conference on Applied Geometric Algebras in Computer Science and Engineering (AGACSE 2024), August 26-29, 2024, Amsterdam, Netherlands.
- Track Chair (Track on Artificial Intelligence and Bio-Inspired Computing) della International Conference on Complex, Intelligent and Software Intensive Systems (CISIS-2024), July 3-5, 2024, Taichung, Taiwan.
- Track Chair (Track on Bio-Inspired Computing and Pattern Recognition) della 19th International Conference on P2P, Parallel, Grid, Cloud and Internet Computing (3PGCIC-2024), November 13 - 15, 2024, San Benedetto del Tronto, Italy.

Track Chair (Track on Artificial Intelligence and Bio-Inspired Computing) della International Conference on Complex, Intelligent and Software Intensive Systems (CISIS 2025), July 2-4, 2025, Fukuoka, Japan.

Scientific Committee Member della 10th Conference on Applied Geometric Algebras in Computer Science and Engineering (AGACSE 2026), August 24-28, 2026, Beijing, China.

AMBITI DI RICERCA

Prof. Salvatore Vitabile is the Head of the [Medical Imaging Lab](#) of the Department of Biomedicine, Neuroscience and Advanced Diagnostics, University of Palermo. He has a 20-year experience on AI based systems for medical data processing and analysis. His main research interests are briefly described:

Explainable and Interpretable Clinical Decision Support Systems. The research line is focused on the development of Artificial Intelligence based systems for diseases diagnosis and prediction supporting physician's activities in a real clinical practice. Machine Learning and Deep Learning solutions have achieved very promising performances in many clinical areas when dealing with high numbers of annotated examples. Due to its 'black-box' nature, their use in real clinical practices and environments is quite limited. Trusting a medical system supported by Explainable AI algorithms is mandatory in order to make the models transparent and give an explanation of the results obtained.

Medical Image Processing and Analysis. The research line involves complex aspects that lie at the intersection of applied mathematics, computer science, physics, statistics, and biomedical sciences. Many techniques had been developed for image segmentation and texture analysis which can be used for cancer and disorder identifications. Other methods deal with image registering and fusion methods. Radiomics, defined as a method for high-throughput extraction and analysis of large amounts of quantitative features from medical imaging data, is also used. The pre-processed and selected features can be used for the development of efficient AI models for image analysis and classification.

In addition, further research lines are represented by [Real-Time Image Processing](#) and [Biometric Authentication Systems](#).

ALTRE ATTIVITA

During his scientific activities, Prof. Salvatore Vitabile has been recognized with several honors and awards, most notably:

- **World Top 2% Scientists**, Stanford University, 2021 Edition.
- **Best Paper Award** of 2022 International Conference on Applied Intelligence and Informatics (AII 2022), September 01-03, 2022, Reggio Calabria, Italy, for the paper "ML-based Radiomics analysis for Breast Cancer classification in DCE-MRI" di F. Prinzi, A. Orlando, S. Gaglio, M. Midiri, and S. Vitabile.
- **Hackathon for Explainability in AI-based COVID Prognosis** - Covid CXR Hackathon 2022 (<https://ai4covid-hackathon.it/>), an international competition based on the use of Artificial Intelligence for Covid-19 prognosis aiming at accuracy and explainability.
- **Highly Cited Paper** in the academic field of Clinical Medicine in January 2016-March 2020 (received enough citations to place it in the top 1% papers); 20th most cited author of Diabetes Care (IF=17.152) in 2010; "Visceral Adiposity Index A reliable indicator of visceral fat function associated with cardiometabolic risk", Diabetes Care, DOI: 10.2337/dc09-1825 di M. C. Amato, C. Giordano, M. Galia, A. Criscimanna, S. Vitabile, M. Midiri, A. Galluzzo (Accession Number: WOS:000276793200045). Data from Essential Science Indicators, Thomson Reuters.
- **David Hestenes Prize** finalist of the 2015 Applied Geometric Algebra in Computer Science and Engineering Conference (AGACSE 2015), Barcelona, Spain, July 29-31 2015 for the paper "A family of embedded coprocessors with native geometric algebra support", by S.

Franchini, A. Gentile, F. Sorbello, G. Vassallo, S. Vitabile.

- **Best Paper Award** of the 3rd International Conference on Complex, Intelligent and Software Intensive Systems (CISIS 2009), March, 16th - 19th 2009, Fukuoka, Japan for the paper “An Embedded Module for Iris Micro-Characteristics Extraction” by C. Militello, V. Conti, F. Sorbello, S. Vitabile.

- **Certificate of Appreciation** for the Invited Talk “Biologically Inspired Hardware: Status and Perspectives” - The 1st International Workshop on Renewable Computing Systems (WReCS-2012) in conjunction with 15th International Conference on Network-Based Information Systems (NBIS2012), Melbourne, Australia, September 26-28, 2012.