Damiano Perri, Ph.D.

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Current role
Adjunct Professor, University of Perugia

Professional profile

Ph.D. in Computer Science and Adjunct Professor at the Department of Mathematics and Computer Science and the Department of Medicine and Surgery, University of Perugia. He teaches the university courses «*Elements of Computer Architecture and Operating Systems*», «*Virtual Reality and Augmented Reality Lab I*», «*Network and Internet Architecture: Module 2*», «*Computer Networks: Protocols*», and «*Informatics for Motor Sciences*», in addition to delivering specialized modules on Artificial Intelligence, Machine Learning, and Large Language Models for Master's programs and Ph.D. Schools. He earned his Ph.D. in Computer Science through the joint doctoral program in Mathematics, Statistics, and Computer Science between the University of Florence and the University of Perugia, where he previously obtained both his Bachelor's and Master's degrees in Computer Science *summa cum laude*. His research focuses on educational technologies, Virtual and Augmented Reality, Cloud Computing and microservice architectures, Machine Learning, Natural Language Processing (NLP), GPGPU Computing, and Neural Networks, including predictive modeling for optimizing operators in Convolutional Neural Networks (CNNs). He served as Scientific Coordinator of Work Package 7 for the PRIN 2022 research project «DICI-A», leading the design of hybrid NLP methods for Italian corpus analysis, high-availability cloud infrastructures, and Progressive Web Apps for lexicography. Since 2015, he has served as technical manager and lead developer of LibreEOL (https://www.libreeol.org), a secure university e-assessment platform that has administered over 302,000 examinations. He has also served as a university tutor for courses in Virtual Reality, High-Performance Computing, and Python programming. From 2020 to 2026, he has served as Technology Chair—and since 2021 as Workshop Chair—for the international ICCSA conference series (https://www.iccsa.org), receiving the *Technology Innovation Award* (2026), the *Young Researcher Award* (2024), and two *Best Paper Awards* (2024 and 2020). He serves as Guest Editor and Guest Associate Editor for international peer-reviewed journals (MDPI, Frontiers). Since 2019, he has co-supervised 7 Master's theses and over 60 Bachelor's theses.

Work experience

Adjunct Professor
2023 - Present

University of Perugia, (Italy)

At the Department of Mathematics and Computer Science, Bachelor's degree in Computer Science, teaches the following courses:

- "Network and Internet Architecture: Module 2",
  ING-INF/05, 3 ECTS, academic year 2026/2027.
- "Computer Networks: Protocols",
  ING-INF/03, 6 ECTS, academic year 2025/2026.

At the Department of Mathematics and Computer Science, Vocational Degree in Programming and Management of Computer Systems, teaches:

- "Virtual Reality and Augmented Reality Lab I",
  INF/01, 3 ECTS, academic years 2023/2024, 2024/2025, 2025/2026.
- "Elements of Computer Architecture and Operating Systems",
  INF/01, 6 ECTS, academic years 2023/2024, 2024/2025, 2025/2026, 2026/2027.

At the Department of Medicine and Surgery, Bachelor's degree in Sports and Exercise Sciences, teaches:

- "Computer Science for Sport Science",
  2 ECTS, academic years 2024/2025, 2025/2026.

At the Department of Letters, served as lecturer for the 1st level Master in Cultural Heritage Management for Tourism Development:

- "Communication Laboratory" for the 1st level Master in *Cultural Heritage Management for Tourism Development*, academic year 2023/2024.

Research fellow
01/07/2024 - 31/01/2026

University of Perugia, (Italy)

Research fellow, project: "DICI-A: A Learner Dictionary of Italian Collocations". Implementation of natural language processing and language learning algorithms. Implementation and management of relational and non-relational databases. Implementation and management of web systems. Implementation and management of machine learning systems applied to language processing and learning.

- Project of Significant National Interest (PRIN 2022) | Prot. 2022HXZR5E.

Technical Manager and Main Developer
2015 - Present

LibreEOL - University of Perugia (Italy)

Technical manager and lead developer of the LibreEOL web platform, designed for secure and compliant university e-assessments. During the COVID-19 pandemic, it served as the official platform of the University of Perugia for remote written examinations. As of October 15, 2026, the platform has successfully administered over 302,729 university exams.

Lecturer: Ph.D. School on Biotechnology
2025

University of Perugia

Collaborated in the organization and faculty of the Ph.D. School "Biomaterials and Artificial Intelligence". Delivered lectures to doctoral students on AI, Machine Learning, and Large Language Models (LLMs).

Guidance Expert
2024 - 2025

University of Perugia (Italy)

Teaching and active guidance activities in the School-University transition aimed at secondary school students, promoting enrollment in STEM degree courses.

- Teaching delivered: 20 classroom hours on computer science and digital technologies.
- Program funded by the European Union – NextGenerationEU under PNRR, Mission 4, Investment 1.6 | CUP: J51I24000210006 | Rectoral Decree: no. 3165 of 23/10/2024.

ERASMUS Lecturer for TUCEP
11/2024

TUCEP - Tiber Umbria Comett Education Programme

Lecturer for TUCEP (Tiber Umbria Comett Education Programme) within the project "V.I.R.Tu.A.L - Vocational Innovation Renewing Tourism Advanced Learning" (ERASMUS-EDU-2022-CB-VET). Delivered 10 hours of lectures to international ERASMUS students on Virtual, Mixed, and Augmented Reality, guiding the creation of 3D models using Blender and Unity.

Research fellow
2023 - 01/07/2024

University of Perugia, (Italy)

Research fellow, project: "University Services for Teaching and Research in High Availability". Design and implementation of web and mobile applications for high-availability university teaching and research services; cloud platform administration (AWS, Google Cloud, Microsoft Azure) and systems engineering in Linux/Windows environments; development of AI models for academic enhancement; creation of Metaverse, Virtual Reality, and Augmented Reality environments tailored for university research and education.

Lecturer
2022 - Present

ITS Umbria Academy, (Italy)

Lecturer at ITS Umbria Academy for the following courses:

- "Computer Graphics"
- "Computer Science"
- "Internet Technologies"
- "Big Data Management and Analytics"

Guidance Expert
2023

University of Perugia (Italy)

Appointed as Guidance Expert following a competitive call by the University of Perugia to establish a roster of qualified experts for the "Active guidance in the school-university transition" program in secondary schools, funded by the European Union - NextGenerationEU under PNRR (Mission 4, Component 1, Investment 1.6, Ministerial Decree no. 934 of 03/08/2022).

Collaborator
2022 - 2023

Federazione Italiana Giochi e Sport Tradizionali (FIGeST)

Supported the organization and technical management of the EuFestTSG event: customized the LibreEOL e-assessment platform to administer eligibility tests for student academic credit allocation; adapted the UniPG Partecipa platform (https://partecipa.unipg.it) to implement digital registration workflows and automate the issuance of certificates of attendance and achievement.

University tutor

2016 - 2023

University of Perugia (Italy)

He served as Tutor on behalf of the University of Perugia for the following courses:

- "High Performance Computing",
  Years 2017/2018, 2022/2023
- "PyBootCamp", an introductory course to Python,
  Years 2020/2021, 2022/2023
- "Virtual Reality Systems",
  Years 2020/2021, 2021/2022
- "Drop-out Rate Reduction" initiative under the Italian National Plan for Scientific Degrees (PLS) in Chemistry,
  Years 2016/2017

Support activity for public examination board, Cesar

09/2021

Cesar, Casalina (Italia)

Provided technical and operational support to the examination board of a public competitive examination administered through the LibreEOL online platform.

IT consultant

2019

Arcadia SRL

Developed a virtual art gallery for classical art painter Edmondo Zaroli, allowing visitors to explore an immersive 3D gallery with VR headset support. Designed and launched the responsive companion website: https://www.zaroli.it/.

University tutor

12/01/2018 - 16/01/2018

University of Perugia (Italy)

Served as University Tutor for the "School-to-Work" program (Alternanza Scuola-Lavoro) organized by the Department of Mathematics and Computer Science, University of Perugia, titled "La Via Flaminia Virtuale" in partnership with ITT "Leonardo Da Vinci" (Foligno). Delivered 20 hours of instruction on Blender and Unity for 24 secondary school students.

Tutor - European PON Project

2018

ITT Leonardo da Vinci institute (Foligno)

Delivered a European PON training module for 4th-year secondary school students on Virtual Reality methodologies and 3D modeling using Unity, Blender, and GIMP. Guided students in the historical 3D reconstruction of landmark sites along the Via Flaminia, including the Temple of Clitumnus and the ancient town walls of Spello, Bevagna, and Assisi.

Computer systems analyst

23/10/2016 - 23/03/2017

ICCSA (The International Conference on Computational Science and Its Applications)

Optimized mailing list management workflows and implemented core new features for the official ICCSA conference website.

Academic titles and qualifications

Subject Specialist / Cultore della Materia (SSD INF/01)

2020 - Present

University of Perugia

Formal appointment as Subject Specialist ("Cultore della Materia") in Computer Science (SSD INF/01) awarded by the Department of Mathematics and Computer Science, University of Perugia, for 9 university courses:

- Affective Computing (LM-18), 2024
- Computer Networks: Protocols (L-31), 2021
- Open and Distributed Systems (L-31), 2021
- Simulation (LM-18), 2021

- Computer Science Education (LM-18), 2021
- High Performance Computing (LM-18), 2021
- Network Architecture (L-31), 2020
- Virtual Reality Systems (L-31), 2020
- Human Computer Interaction (LM-18), 2020

Inclusion in the Teachers' Roster

11/02/2021

ITS Umbria Academy (Italy)

Approval of candidature and official inclusion in the Teachers' Roster of ITS Umbria Academy for the Information and Communication Technology Area.

University studies and training courses

Ph.D. in Mathematics, Statistics, Computer Science

03/10/2019 - 05/06/2023

University of Florence

Awarded the Ph.D. degree in Mathematics, Statistics, and Computer Science (Computer Science track), XXXV cycle. Research focused on Virtual Reality, Augmented Reality, Machine Learning, and Cloud Computing. Thesis title: "Innovative approaches to some modern complex problems". Conducted international research collaboration with Prof. Sumi Helal (Department of Computer & Information Science & Engineering, University of Florida, USA). Degree awarded by the University of Florence. SSD: INF/01

More information: During his doctoral program, he completed advanced graduate courses, including:

- Advances in Neural Networks (6 ECTS)
- Methods for Parallel Programming (6 ECTS)
- Affective Computing and Emotion Recognition (6 ECTS)
- Evolutionary Computations and its Applications to Machine Learning (6 ECTS)

Master's Degree in Computer Science (Intelligent and Mobile Computing)

25/09/2016 - 21/02/2019

University of Perugia (Italy)

Graduated summa cum laude (110/110 con lode) with a Master's Degree in Computer Science (Curriculum: Intelligent and Mobile Computing). Thesis title: "Adaptive methods for accelerating Deep Neural Networks on ARM GPU architectures". Co-supervisors: Prof. Osvaldo Gervasi (University of Perugia), Dr. Anton Lokhmotov (Dividiti), and Prof. Flavio Vella (Free University of Bozen-Bolzano). Master's degree pursuant to Ministerial Decree 270/2004 in: LM-18.

Bachelor's Degree in Computer Science

2013 - 22/09/2016

University of Perugia (Italy)

Graduated summa cum laude (110/110 con lode) with a Bachelor's Degree in Computer Science. Thesis title: "Adapting the EOL Software for Language Proficiency Certification Tests". Co-supervisor: Prof. Osvaldo Gervasi (University of Perugia). Bachelor's degree pursuant to Ministerial Decree 270/2004 in: L-31.

Secondary School Diploma in Science and Technology

2006 - 2011

ITAS "Giordano Bruno" (Italy)

Awarded the Secondary School Diploma in Science and Technology (Liceo Scientifico Tecnologico).

Scientific, institutional and editorial appointments

Scientific Coordinator of Work Package (PRIN 2022)

2024 - 2026

University of Perugia

Scientific Coordinator of Work Package 7: "Development of the web platform and mobile application for lexicographical query" for the PRIN project *"DICI-A: A Learner Dictionary of Italian Collocations"*.

- Architectural design of NLP and Machine Learning algorithms, hybrid database management, and deployment of high-availability Progressive Web Apps.
- **Official references:** Project of Significant National Interest (PRIN 2022) | **Protocol Code:** Prot. 2022HXZR5E.

Technology Chair

2020 - 2026

International Conference on Computational Science and Its Applications (ICCSA)

He serves as Technology Chair for the ICCSA conference. This role has been conferred upon him and confirmed for seven consecutive editions by the respective Organising Committees and host international universities:

- **2026:** Universidade do Minho (Braga, Portugal)
- **2025:** Galatasaray University (Istanbul, Turkey)
- **2024:** Thuyloi University (Hanoi, Vietnam)
- **2023:** National and Kapodistrian University of Athens (Athens, Greece)
- **2022:** Universidad de Málaga (Málaga, Spain)
- **2021:** University of Cagliari (Cagliari, Italy)
- **2020:** University of Cagliari (Cagliari, Italy)

Overall responsibility for the design, development and operational continuity of the conference's IT infrastructure, comprising: the official web platform, a proprietary Electronic Submission System (ESS) for the submission and peer review of hundreds of papers; a scalable, multi-server cloud infrastructure based on Docker containers for hybrid streaming (Jitsi); coordination of live streams and plenary sessions; and coordination of the editorial workflow for publication with Springer.

More information https://iccsa.org/

Workshop Chair

2021 - 2026

International Conference on Computational Science and Its Applications (ICCSA)

Organizer and Chair of the following international scientific workshops:

- **Virtual Reality and Augmented Reality (VRA):** 6 consecutive editions (Cagliari 2021, Málaga 2022, Athens 2023, Hanoi 2024, Istanbul 2025, Braga 2026).
- **Advanced and Innovative Web Apps (AIWA):** 4 consecutive editions (Athens 2023, Hanoi 2024, Istanbul 2025, Braga 2026).

Management of the call for papers, allocation of reviews to programme reviewers, scientific selection of papers, and chairing of the sessions for the presentation of scientific papers.

Guest Editor

2025

MDPI

Guest Editor of the Special Issue "Human-Centered and Sustainable Artificial Intelligence: Emerging Perspectives in HCI" for the journal *Big Data and Cognitive Computing* (ISSN 2504-2289).

Member of the International Program Committee (Web3D 2025)

2025

Siena, Italy

Member of the International Program Committee and Reviewer for the international conference *Web3D 2025: 30th International Conference on 3D Web Technology*, held in Siena, Italy (September 9-10, 2025). Sponsored by ACM SIGGRAPH in co-operation with the Web3D Consortium and supported by Eurographics.

More information https://web3d.siggraph.org/2025/conference/committee/

Guest Editor

2025

MDPI

Guest Editor of the Special Issue "Virtual Reality and Scientific Visualization, 2nd Edition" for the journal *Electronics* (ISSN 2079-9292).

Guest Associate Editor

2025

Frontiers

Guest Associate Editor of the Research Topic "AI-Driven Innovations in Virtual Reality: From Synthetic Data Generation to Immersive Rehabilitation and Education" for the journal *Frontiers in Computer Science*.

Founding member of the cultural association "International Community on Computational Science and its Applications ETS"

2024 - 2026

Via Mazzini 89, 85100, Potenza, Italy

The Association pursues various aims including the promotion and encouragement of studies and research relating to scientific subjects conducted with theoretical and experimental methods based on computer and mathematical approaches; experimental and mathematical-computer tools; the dissemination of innovative scientific knowledge developed with experimental and mathematical-computer tools; the programming and implementation of scientific research to be developed with experimental and mathematical-computer tools.

Member of the Davide Piampiano scientific committee 2024 - Present

Assisi, (Italy)

Development of Virtual Reality applications to commemorate the memory of Davide Piampiano. Theoretical and technical advice for the realization of projects and activities for the committee's work.

More information: The Davide Piampiano scientific committee was created to commemorate Davide's memory through social activities and actions.

Guest Editor 2023 - 2024

MDPI

Guest Editor of the Special Issue "Selected Papers from the 23rd International Conference on Computational Science and Its Applications (ICCSA 2023)" for the journal *Computers* (ISSN 2073-431X).

Member of the Scientific Committee (ICAIGE 2023) 10/2023

Sousse (Tunisia)

Member of the Scientific Committee and reviewer for the 2023 IEEE International Conference on Artificial Intelligence & Green Energy (ICAIGE 2023).

More information https://icaige.hn.tn/

Topic Coordinator 2022 - 2025

Frontiers

Topic Coordinator of the Research Topic "The Metaverse, Immersive Virtual Reality and its Implications on Human Behavior" for the journal *Frontiers in Psychology*.

Jury Member: Digital Campus Competition 06/04/2022

FORMA.AZIONE SRL (Italy)

Served as jury member for the "Digital Campus" competitive exhibition for secondary schools, evaluating student project entries across multiple technical tracks including robotics, mobile app development, video editing, augmented reality, and 3D projection mapping.

Artifact Evaluation Committee Member (CF'21) 03/2021 - 04/2021

Virtual conference

Member of the Artifact Evaluation Committee for the ACM International Conference on Computing Frontiers 2021 (CF'21), responsible for evaluating and reproducing submitted software artifacts, benchmarks, and computational models.

Artifact Evaluation Committee Member (CF'20) 01/06/2020 - 10/06/2020

Ischia (Italy)

Member of the Artifact Evaluation Committee for the ACM International Conference on Computing Frontiers 2020 (CF'20), responsible for reproducing, evaluating, and validating software artifacts and computational benchmarks.

More information http://www.computingfrontiers.org/2020/

Scientific awards and recognitions

Technology Innovation Award 2026

ICCSA 2026 (Braga, Portugal)

Awarded the prestigious "Technology Innovation Award" for the scientific paper titled «A Privacy-Preserving, Installation-Free Progressive Web App for Modern Slide Presentations», presented at the 26th International Conference on Computational Science and its Applications (ICCSA 2026), held in Braga, Portugal. The award honors exceptional technological innovation and scientific contribution.

Young Researcher Award 2024

ICCSA 2024 (Hanoi, Vietnam)

Certificate of appreciation awarded to Damiano Perri (University of Perugia) at the International Conference on Com-

putational Science and its Applications (ICCSA 2024), hosted by Thuyloi University in Hanoi, Vietnam, from July 1 to July 4, 2024. The award honors innovative contributions, dedication, and high promise in scientific research.

Best Paper Award

2024

ICCSA 2024 (Hanoi, Vietnam)

Awarded the 'Best Paper Award' for the paper 'Beyond the Cox model: applying machine learning techniques with time-to-event data' presented at the 24th International Conference on Computational Science and Its Applications (ICCSA 2024).

Best Paper Award

2020

ICCSA 2020 (Cagliari, Italy)

Awarded the 'Best Paper Award' for the paper 'An immersive Open Source environment using Godot' presented at the 20th International Conference on Computational Science and Its Applications (ICCSA 2020).

Conferences and seminars (as speaker)

International Conference on Computational Science and its Applications

07/2025

Galatasaray University, Istanbul, Türkiye

Presented the research paper 'Digital Heritage to improve accessibility and break down architectural barriers' at the 'Virtual Reality and Augmented Reality' workshop.
Presented the research paper 'Dockerized Architecture for a Progressive Web App: An Italian Collocations Dictionary' at the 'Advanced and Innovative Web Apps' workshop.
Presented the project 'DICI-A – A Learner Dictionary of Italian Collocations' during the Research Project Showcases.

International Conference on Computational Science and its Applications 2024

07/2024

Thuyloi University, Hanoi, Vietnam

Presented the research paper 'Exploring the Metaverse: Opportunities for Tourism and Territorial Development' at the ICCSA 2024 conference.

LREC-COLING 2024

25/05/2024

Lingotto Conference Centre - Torino (Italy)

Presented the research paper "Combining Grammatical and Relational Approaches: A Hybrid Method for the Identification of Candidate Collocations from Corpora" and an accompanying poster at the LREC-COLING 2024 conference in Turin, Italy. The central theme of the conference was Natural Language Processing (NLP) and language resources.

Sharper Night 2023

29/09/2023

University of Perugia (Italy)

Presented at Sharper Night 2023:

- 'Reimagined Realities: Between Tangible and Fantastic?'
- 'Counting with Quanta: Does It Really Count?'

Presented the outreach talk "Reimagined Realities: Between Tangible and Fantastic?" at the European Researchers' Night (Sharper Night 2023).

International Conference on Computational Science and its Applications 2023

06/2023

University of Athens (Greece)

Presented the research paper 'A new exercise environment for the treatment of Visual Snow' at the ICCSA 2023 conference.

Metaverse and future prospects

30/09/2022

University of Perugia (Italy)

Presented an interactive seminar exploring the Metaverse as a technological frontier overcoming physical constraints, guiding students through immersive Virtual Reality environments using first-person avatars.

The digitalization of Traditional Games

25/09/2022

University of Perugia (Italy)

Delivered an invited joint presentation with Prof. Osvaldo Gervasi on the digitalization and preservation of traditional sports through Virtual and Augmented Reality technologies.

International Conference on Computational Science and its Applications 2022 07/07/2022

University of Málaga (Spain)

Presented the research paper 'A mobile app to help people affected by Visual Snow' at the ICCSA 2022 conference.

AWS Summit Milano 07/07/2022

Milan (Italy)

Delivered the presentation "AWS and Open Source: How to Participate, Choose, and Manage Open Source Software at Scale" at AWS Summit Milano 2022.

Impact of open source and open data technologies on journalism 21/04/2022

Ordine dei giornalisti Umbria, Sala Convegni, Hotel Plaza, Via Palermo n.88 - Perugia

Delivered a 1-hour professional development seminar for registered journalists on accessing the Deep and Dark Web, analyzing associated cybersecurity risks, and assessing the role of open source and open data tools in journalism.

Remote assessment tools 09/12/2021

University of Perugia (Italy)

Delivered an invited scientific seminar on distance assessment tools within the module "New Stimuli Towards the Study of Computer Science" for the Computer Science Education course, under the National Plan for Scientific Degrees (PLS).

International Conference on Computational Science and Its Applications 2021 15/09/2021

ICCSA 2021 (Cagliari)

Presented the research paper 'A new method for binary classification of proteins using Machine Learning' at the ICCSA 2021 conference.

GARR 16/06/2021

GARR - the Italian Education and Research Network

A scalable platform for electronic assessment (e-assessment) is presented, for which remote student monitoring has recently been implemented, whilst respecting students' privacy and in accordance with the requirements of the monitoring system. The platform does not require any software to be installed on students' devices. The platform has been adopted by the University of Perugia for the secure administration of remote written examinations from 24 December 2020, thanks to a Rector's Decree which amended the existing Academic Regulations—which had previously prohibited written examinations during the pandemic—and encouraged its adoption by the University's lecturers, after the software had been presented to the Heads of Department and the Students' Council.

Safer Internet Day 27/10/2021

Scientific High School Galileo Galilei (Perugia)

Delivered an invited seminar for high school students titled "How Deep and Dark is the Web?" on the occasion of Safer Internet Day.

Theoretical Chemistry and Computational Modelling Course 2020 27/10/2020

Theoretical Chemistry and Computational Modelling Course

Speaker at the event "Multiscale, Machine Learning and QSAR Methods Applied to Biomolecules" (Master in Theoretical Chemistry and Computational Modelling), delivering a lecture and 3-hour hands-on session on "Binary Classification of Proteins by Machine Learning Approach".

International Conference on Computational Science and Its Applications 2020 01/07/2020

ICCSA 2020 (Cagliari)

Presented the following research papers at the ICCSA 2020 conference:

- "Teaching Math with the help of Virtual Reality"
- "An immersive Open Source environment using Godot"

Astro Chemical Origins 20/12/2019

Université Grenoble Alpes - Astro Chemical Origins, Grenoble (Francia)

Delivered a 45-minute seminar entitled 'Machine Learning approaches using Python' for the Astro Chemical Origins project at Université Grenoble Alpes (France).

AmareMatica 12/10/2019

University of Perugia (Italy)

Delivered a 30-minute seminar at the Sala del Dottorato (Cloister of the San Lorenzo Cathedral) in Perugia for the Infor-AmareMatica event, titled: "How much do you deserve? - Opportunities for online assessment".

Science Degrees Programme, Computer Science Talk: Remote assessment tools 05/2019

University of Perugia (Italy)

He gave a 20-minute seminar at the Department of Mathematics and Computer Science in Perugia as part of the department's day for science degrees (PLS). The topic covered was: 'Computer Science Briefing: Remote Assessment Tools'. Starting with a brief historical introduction, the session went on to explain the usefulness and functioning of the LibreEOL software, which is used across Europe for conducting chemistry and computer science examinations.

Blender Italian Conference 10/03/2018

Teatro Spazio ZUT (Foligno, Italy)

Delivered a 30-minute joint talk with Prof. Osvaldo Gervasi at the Blender Italian Conference 2018 (Teatro Spazio ZUT, Foligno), presenting 3D modeling workflows and virtual reconstructions of the Temple of Clitumnus and the Via Flaminia created for a European PON project.

Conferences and seminars (as a listener)

International Conference on Computational Science and its Applications 2026 30/06/2026 - 03/07/2026

Blended conference - University of Minho, Braga, Portugal

International Conference on Computational Science and its Applications 2025 30/06/2025 - 03/07/2025

Blended conference - Galatasaray University, Istanbul, Türkiye

International Conference on Computational Science and its Applications 2024 01/07/2024 - 04/07/2024

Blended conference - Thuyloi University, Hanoi, Vietnam

LREC-COLING 2024 25/05/2024

Lingotto Conference Centre - Torino (Italy)

Two major international key players in the area of computational linguistics, the ELRA Language Resources Association (ELRA) and the International Committee on Computational Linguistics (ICCL), are joining forces to organize the 2024 Joint International Conference on Computational Linguistics, Language Resources and Evaluation (LREC-COLING 2024) to be held in Torino (Italia) on 20-25 May, 2024.

International Conference on Computational Science and its Applications 2023 03/07/2023 - 06/07/2023

Blended conference - University of Athens (Greece)

International Conference on Computational Science and its Applications 2022 04/07/2022 - 07/07/2022

Blended conference - University of Málaga (Spain)

International Conference on Computational Science and its Applications 2021 13/09/2021 - 16/09/2021

Blended conference - University of Cagliari (Italy)

ACM International Conference on Computing Frontiers 2021 11/05/2021 - 13/05/2021

Online Conference - University of Catania (Italy)

CF's broad scope is driven by recent technological advances in wide-ranging fields impacting computing, such as memory hardware and systems, network and systems architecture, cloud computing, novel device physics and materials, power efficiency, new application domains of machine and deep learning and big data analytics, and systems portability and wearability.

Multiscale, machine learning and QSAR Methods applied to biomolecules 25/10/2020 - 31/10/2020

University of Perugia (Italy)

Attended a week-long series of seminars held at the University of Perugia's Chemistry Department by various lecturers.

Unity for Humanity - Summit 2020 21/10/2020 - 22/10/2020

Online conference

Attended the virtual summit focused on virtual reality technologies and real-time 3D applications based on the Unity engine.

Epidemics, population Dynamics: prevention and containment 09/10/2020

University of Perugia (Italy)

Seminar delivered via Microsoft Teams by Prof. Giuseppe Schinaia.

Quantum pictorialism 09/10/2020

University of Pisa (Italy)

Seminar delivered via Microsoft Teams.

Cultura, mutamento, sviluppo. Quali sfide future per l'eco sostenibilità della società digitale 05/10/2020

University of Salerno (Italy)

Seminar delivered by Prof. Emiliana Mangone on future challenges for digital sustainability.

Verso horizon europe: contesto, mission e partnership 29/09/2020

Agenzia per la promozione della ricerca europea (APRE)

Online training course on context, strategic missions, and partnership frameworks of the Horizon Europe programme.

Quantum pictorialism 25/09/2020

University of Pisa (Italy)

Seminar delivered via Microsoft Teams.

International Conference on Computational Science and its Applications 2020 01/07/2020 - 04/07/2020

Online conference - University of Cagliari (Italy)

ACM International Conference on Computing Frontiers 2020 11/05/2020 - 13/05/2020

Online Conference - University of Catania (Italy)

CF's broad scope is driven by recent technological advances in wide-ranging fields impacting computing, such as memory hardware and systems, network and systems architecture, cloud computing, novel device physics and materials, power efficiency, new application domains of machine and deep learning and big data analytics, and systems portability and wearability.

Machine learning meets Chemistry 17/02/2020 - 18/02/2020

University of Torino (Italy)

Series of seminars held at the Department of Chemistry, University of Torino.

Quantum Computers 31/01/2020

University of Pisa (Italy)

Seminar held at the Department of Mathematics and Computer Science, University of Pisa.

Algoritmi evolutivi algebrici 11/12/2019

University of Perugia (Italy)

Seminar delivered by Prof. Valentino Santucci at the Department of Mathematics and Computer Science, University of Perugia.

Exploiting social Influence to control opinions in social networks 10/12/2019

University of Perugia (Italy)

Seminar delivered by Dr. Federico Corò at the Department of Mathematics and Computer Science, University of Perugia.

Funzioni di matrici e applicazioni alla scienza delle reti 28/11/2019

University of Perugia (Italy)

Seminar delivered by Prof. Michele Benzi at the Department of Mathematics and Computer Science, University of Perugia.

EchemTest+ Training Event 15/09/2016 - 16/09/2016

University of Perugia (Italy)

Attended the international training event for the EChemTest platform used for chemistry examinations and certifications by ECTN.

Applications developed for smartphones

My UniPG Job
2024 - Present

https://play.google.com/store/apps/details?id=com.myjobunipg.app

Developed the My UniPG Job mobile application for the University of Perugia to support Job Placement and Career Day management. Released in early May 2024 for iOS and Android.

Network Shortcut
2025 - Present

https://play.google.com/store/apps/details?id=com.damianop.network

Lightweight Android utility application that launches the operating system's advanced "Phone Information" screen, enabling direct access to low-level cellular network parameters.

Young Sparks Symposium
2023

https://www.unipg.it/ateneo/protezione-dati-personali/informative/yss

Developed the mobile application for the University of Perugia supporting the Young Sparks Symposium international event (Solomeo, September 4-7, 2023). Built as a cross-platform hybrid app (Capacitor, Ionic, JavaScript) for Android and iOS.

Night Clock
2023

https://play.google.com/store/apps/details?id=com.damianop.nightclock

Utility application designed to repurpose AMOLED smartphones into bedside night clocks. Features large horizontal time display, burn-in protection mechanisms via periodic pixel shifting, charging status indicator, nightlight function, and 12/24-hour modes.

Visual Snow
2022

https://play.google.com/store/apps/details?id=com.damianop.visualsnow

Developed as part of a scientific research project to simulate the visual perception of individuals affected by Visual Snow Syndrome. Built with Unity and published for Android.

AR Learning
2021

https://play.google.com/store/apps/details?id=com.vuforia.engine.BooksUnity

Educational application developed to visualize three-dimensional mathematical functions in Augmented Reality (AR) to support secondary school mathematics education. Built with Unity and Vuforia, published for Android.

Websites created or administered

LibreEOL - UNIPG
2015 - Present

https://www.libreeol.org/

Web platform for secure and compliant university examinations. Currently in continuous operational use at the University of Perugia. Over 302,729 examinations have been administered through LibreEOL (data updated to October 15, 2026).

Backoffice Job Placement - UNIPG
2024 - Present

https://backoffice.jobplacement.unipg.it/

Web administrative management platform developed specifically for Job Placement services and Career Day events at the University of Perugia.

Partecipa - UNIPG
2022 - Present

https://partecipa.unipg.it/

Web survey and polling platform used by academic faculty at the University of Perugia for pedagogical feedback and institutional data collection.

ICCSA
2015 - Present

https://iccsa.org/

Development, system administration, and continuous maintenance of the official web portal for the International Conference on Computational Science and Its Applications (ICCSA).

Electronic Submission System - ICCSA
2015 - Present

https://ess.iccsa.org/

Design, development, and operational maintenance of the proprietary Electronic Submission System (ESS) managing paper submission and peer-review workflows for the ICCSA conference series.

Jitsi - ICCSA

2020 - Present

https://jitsi0.iccsa.org/

Scalable video conferencing infrastructure based on open-source Jitsi Meet, deployed via Docker containers to deliver hybrid virtual conference sessions for ICCSA.

PDF Presentation Tool

2026 - Present

https://presentations.damianoperri.it/

Web-based presentation platform supporting educators during lectures on dual-monitor setups (speaker display and projector), decoupling presenter notes and controls from public slide view.

EChemTest

2015 - Present

https://echemtest.libreeol.org/

International web platform for conducting university examinations in chemistry and managing automated certification issuance within the European ECTN EChemTest program.

Damianoperri.it

2021 - Present

https://www.damianoperri.it/

Personal and academic portfolio website of Damiano Perri, developed in HTML5, PHP, JavaScript, and CSS.

Master-tec

2021 - 2022

https://www.master-tec.it/

Corporate website developed for a Perugia-based consulting firm specializing in marketing and process innovation.

Zaroli

2019 - 2020

https://zaroli.it/

Website for artist Edmondo Zaroli displaying his classical art portfolio, featuring a 3D virtual gallery explorable via VR headsets.

Master-UP

2017 - 2021

https://www.master-up.it/

Corporate website developed for an enterprise specialized in innovative industry solutions and digital marketing.

Training and refresher courses

Architecting on AWS

22/06/2021 - 24/06/2021

Xpeppers - AWS Training Partner

Professional training course covering fundamental principles of IT architecture design on the AWS cloud platform. Explored cloud best practices, architectural design patterns, resilience, high availability, and multi-tier infrastructure deployment through guided hands-on labs.

Systems operations on AWS

01/06/2021 - 04/06/2021

Xpeppers - AWS Training Partner

Professional course focused on installation, configuration, automation, monitoring, security, and remediation of AWS cloud services, networks, and systems supporting enterprise applications.

Acquisition of 24 ECTS Credits for Teaching Qualification

11/04/2019 - 02/07/2019

Pegaso Online University (Italy)

University curriculum for acquiring 24 ECTS credits in anthropo-psycho-pedagogical disciplines and teaching methodologies and technologies, fulfilling the statutory qualification requirement for Italian secondary education teaching:

- Cultural Anthropology - 6 ECTS
- Special Needs and Inclusive Education - 6 ECTS
- Educational Technologies and Learning - 6 ECTS
- General Psychology - 6 ECTS

CCNA Certification Training Course (300 Hours)

11/04/2013 - 17/05/2014

Accademia Domani (Italy)

Completed a 300-hour technical preparation course for the Cisco CCNA certification, training networking specialists in the configuration, routing, switching, subnetting, security, and troubleshooting of medium-sized enterprise LAN and WAN infrastructures (IPv4, IPv6, NAT).

Cisco Certification - IT Essentials: PC Hardware and Software

10/05/2011 - 07/09/2011

Cisco Systems Networking Academy (Italy)

Earned the Cisco "IT Essentials: PC Hardware and Software" certification via Cisco Networking Academy, gaining practical skills in computer hardware assembly, fault diagnostics, operating system deployment and maintenance, and local network configuration.

Skills

Lingua madre: **Italian**

	Comprensione		Espressione orale		Scrittura
	Ascolto	Lettura	Produzione orale	Interazione orale	
English	C1	C1	C1	C1	C1
Japanese	A1	/	A1	A1	/

Operating Systems

- Linux: Ubuntu, Manjaro, Mint, Fedora, Kali
- Microsoft: MS-DOS and Windows (XP, Vista, 7, 8, 10, 11)
- Apple: MacOS, iOS
- Google: Android

Programming languages

- High Level: Python, JavaScript, PHP, Java
- Medium Level: C, C++, C#
- Logic and Functional Programming: Prolog, OCaml
- Visual Programming: LabVIEW

AI, Machine Learning & Data Science

- Frameworks and libraries: PyTorch, TensorFlow, Scikit-learn
- Domains and methodologies: LLM integration, NLP pipelines, Computer Vision, Deep Learning

Web and Mobile Development

- Mobile and Cross-Platform: Ionic, Capacitor, Flutter, Progressive Web Apps (PWA)
- Web and Integrations: HTML5, CSS3, JavaScript, REST APIs

AWS cloud knowledge

- Virtual Machines: EC2
- Containers: ECS, ECR
- Databases: RDS, ElastiCache
- Networking: VPC, ALB, NLB, NAT, Security Groups
- Storage: EBS, EFS

- Other tools: Certificate Manager, CloudWatch, AWS Backup

Databases and DevOps

- Databases: Relational (MySQL, MariaDB, PostgreSQL, AWS Aurora SQL) and NoSQL (MongoDB, Redis, AWS DynamoDB)
- Version Control and Containers: Git, GitHub, Docker, Portainer
- Servers and Systems: network configuration, Bash shell scripting, high-availability deployments

Other Software and Skills

- 3D Graphics and Game Engines: Unity, Blender
- IDEs and Development Tools: Antigravity, Visual Studio, PhpStorm, Xcode, NetBeans, Sublime Text
- Multimedia Editing: Adobe Photoshop, DaVinci Resolve, iMovie

Communication skills

- Excellent interpersonal and collaborative skills
- Strong adaptability to diverse multicultural academic environments
- Diplomatic, constructive, and respectful approach in team and organizational settings

Other skills and interests

Chess, animals, photography and DIY enthusiast

Driving license

B

Scientific publications

Papers

[1] Stefania Spina, Irene Fioravanti, Fabio Zanda, Luciana Forti, **Damiano Perri** e Osvaldo Gervasi. «Developing a learner dictionary of collocations: description and evaluation of a multi-method approach». In: *Corpus Linguistics and Linguistic Theory* (2026). DOI: 10.1515/cllt-2025-0008. URL: https://doi.org/10.1515/cllt-2025-0008.

[2] **Damiano Perri** e Osvaldo Gervasi. «A Novel Computational Framework for Visual Snow Syndrome». In: *IEEE Access* 13 (2025), pp. 23877–23887. DOI: 10.1109/ACCESS.2025.3536923.

[3] **Damiano Perri**, Osvaldo Gervasi, Sergio Tasso, Stefania Spina, Irene Fioravanti, Fabio Zanda e Luciana Forti. «Hybrid Methods for Automatic Collocation Extraction in Building a Learners' Dictionary of Italian». In: *Computers* 14.12 (2025). DOI: 10.3390/computers14120552. URL: https://www.mdpi.com/2073-431X/14/12/552.

[4] Marco Simonetti, **Damiano Perri** e Osvaldo Gervasi. «Implementing Three-Qubit Grover's Algorithm Using Real Quantum Platforms». In: *Fractals* (lug. 2025), p. 2540199. DOI: 10.1142/S0218348X25401991. URL: https://doi.org/10.1142/S0218348X25401991.

[5] Osvaldo Gervasi, **Damiano Perri** e Marco Simonetti. «Empowering Knowledge With Virtual and Augmented Reality». In: *IEEE Access* 11 (2023), pp. 144649–144662. DOI: 10.1109/ACCESS.2023.3342116.

[6] Marco Simonetti, **Damiano Perri** e Osvaldo Gervasi. «Variational Methods in Optical Quantum Machine Learning». In: *IEEE Access* (2023). DOI: 10.1109/ACCESS.2023.3335625. URL: https://doi.org/10.1109/ACCESS.2023.3335625.

[7] Osvaldo Gervasi, **Damiano Perri** e Marco Simonetti. «Strategies and System Implementations for Secure Electronic Written Exams». In: *IEEE Access* (2022). DOI: 10.1109/ACCESS.2022.3150860. URL: https://doi.org/10.1109/ACCESS.2022.3150860.

[8] **Damiano Perri**, Marco Simonetti e Osvaldo Gervasi. «Deploying Efficiently Modern Applications on Cloud». In: *Electronics* 11.3 (2022). DOI: 10.3390/electronics11030450. URL: https://www.mdpi.com/2079-9292/11/3/450.

[9] **Damiano Perri**, Marco Simonetti e Osvaldo Gervasi. «Deploying Serious Games for Cognitive Rehabilitation». In: *Computers* 11.7 (2022). DOI: 10.3390/computers11070103. URL: https://www.mdpi.com/2073-431X/11/7/103.

[10] **Damiano Perri**, Marco Simonetti e Osvaldo Gervasi. «Synthetic Data Generation to Speed-Up the Object Recognition Pipeline». In: *Electronics* 11.1 (2022). DOI: 10.3390/electronics11010002. URL: https://www.mdpi.com/2079-9292/11/1/2.

[11] Paolo Sylos Labini, Marco Cianfriglia, **Damiano Perri**, Osvaldo Gervasi, Grigori Fursin, Anton Lokhmotov, Cedric Nugteren, Bruno Carpentieri, Fabiana Zollo e Flavio Vella. «On the Anatomy of Predictive Models for Accelerating GPU Convolution Kernels and Beyond». In: *ACM Trans. Archit. Code Optim.* 18.1 (gen. 2021). DOI: 10.1145/3434402. URL: https://doi.org/10.1145/3434402.

[12] **Damiano Perri**, Martina Fortunelli, Marco Simonetti, Riccardo Magni, Jessica Carloni e Osvaldo Gervasi. «Rapid Prototyping of Virtual Reality Cognitive Exercises in a Tele-Rehabilitation Context». In: *Electronics* 10.4 (2021). DOI: 10.3390/electronics10040457. URL: https://www.mdpi.com/2079-9292/10/4/457.

[13] Valentina Franzoni, Giulio Biondi, **Damiano Perri** e Osvaldo Gervasi. «Enhancing Mouth-Based Emotion Recognition Using Transfer Learning». In: *Sensors* 20.18 (2020). DOI: 10.3390/s20185222. URL: https://www.mdpi.com/1424-8220/20/18/5222.

Books

[1] **Damiano Perri**, Marco Simonetti, Osvaldo Gervasi e Sergio Tasso. *Chapter 4 - High-performance computing and computational intelligence applications with a multi-chaos perspective*. A cura di Yeliz Karaca, Dumitru Baleanu, Yu-Dong Zhang, Osvaldo Gervasi e Majaz Moonis. Academic Press, 2022, pp. 55–76. DOI: 10.1016/B978-0-323-90032-4.00010-9. URL: https://www.sciencedirect.com/science/article/pii/B9780323900324000109.

[2] **Damiano Perri**, Marco Simonetti, Sergio Tasso e Osvaldo Gervasi. *Learning Mathematics in an Immersive Way*. IntechOpen, mar. 2021. DOI: 10.5772/intechopen.96533. URL: https://doi.org/10.5772/intechopen.96533.

Conference papers

[1] **Damiano Perri**. «A Privacy-Preserving, Installation-Free Progressive Web App for Modern Slide Presentations». In: *Computational Science and Its Applications – ICCSA 2026 Workshops*. Cham: Springer Nature Switzerland, 2027, pp. 171–185. DOI: 10.1007/978-3-032-30497-1_11.

[2] **Damiano Perri** e Natale Amato. «Bridging the Gap Between Validated Cognitive Screening and Clinical Practice: A Stylus-Driven Digital Use Case for the SAGE Test». In: *Computational Science and Its Applications – ICCSA 2026 Workshops*. Cham: Springer Nature Switzerland, 2027, pp. 186–201. DOI: 10.1007/978-3-032-30497-1_12.

[3] **Damiano Perri**, Osvaldo Gervasi e Francesco Bietolini. «Design and Experimental Evaluation of Secure Overlay Networks for Docker Microservices Architectures». In: *Computational Science and Its Applications – ICCSA 2026*. Cham: Springer Nature Switzerland, 2027, pp. 236–250. DOI: 10.1007/978-3-032-30491-9_16.

[4] **Damiano Perri**, Osvaldo Gervasi, Sergio Tasso, Irene Fioravanti, Fabio Zanda, Stefania Spina e Luciana Forti. «Dockerized Architecture for a Progressive Web App: An Italian Collocations Dictionary». In: *Computational Science and Its Applications – ICCSA 2025 Workshops*. Cham: Springer Nature Switzerland, 2026, pp. 33–43. DOI: 10.1007/978-3-031-97617-9_3.

[5] **Damiano Perri**, Sara Martinelli, Osvaldo Gervasi, David Berti e Gilberto Zinourov Roncalli di Montorio. «Digital Heritage to Improve Accessibility and Break Down Architectural Barriers». In: *Computational Science and Its Applications – ICCSA 2025 Workshops*. Cham: Springer Nature Switzerland, 2026, pp. 229–241. DOI: 10.1007/978-3-031-97657-5_14.

[6] **Damiano Perri**, Sofia Rita Di Blasi, Fabio Forlani e Osvaldo Gervasi. «Exploring the Metaverse: Opportunities for Tourism and Territorial Development». In: *Computational Science and Its Applications – ICCSA 2024 Workshops*. A cura di Osvaldo Gervasi, Beniamino Murgante, Chiara Garau, David Taniar, Ana Maria A. C. Rocha e Maria Noelia Faginas Lago. Cham: Springer Nature Switzerland, 2024, pp. 141–153.

[7] **Damiano Perri**, Irene Fioravanti, Osvaldo Gervasi e Stefania Spina. «Combining Grammatical and Relational Approaches. A Hybrid Method for the Identification of Candidate Collocations from Corpora». In: *Proceedings of the Joint Workshop on Multiword Expressions and Universal Dependencies (MWE-UD) @ LREC-COLING 2024*. A cura di Archna Bhatia, Gosse Bouma, A. Seza Dogruoz, Kilian Evang, Marcos Garcia, Voula Giouli, Lifeng Han, Joakim Nivre e Alexandre Rademaker. Torino, Italia: ELRA e ICCL, mag. 2024, pp. 138–146. URL: https://aclanthology.org/2024.mwe-1.18.

[8] Francesca Pierri, **Damiano Perri** e Chrys Caroni. «Beyond the Cox Model: Applying Machine Learning Techniques with Time-to-Event Data». In: *Computational Science and Its Applications – ICCSA 2024 Workshops*. A cura di Osvaldo Gervasi, Beniamino Murgante, Chiara Garau, David Taniar, Ana Maria A. C. Rocha e Maria Noelia Faginas Lago. Cham: Springer Nature Switzerland, 2024, pp. 412–427.

[9] Sergio Tasso, Simone Calò, Osvaldo Gervasi e **Damiano Perri**. «Integration of an Artificial Intelligence Model into a Smartphone Flutter Application to Solve a Live Image Classification Problem». In: *Computational Science and Its Applications – ICCSA 2024 Workshops*. A cura di Osvaldo Gervasi, Beniamino Murgante, Chiara Garau, David Taniar, Ana Maria A. C. Rocha e Maria Noelia Faginas Lago. Cham: Springer Nature Switzerland, 2024, pp. 39–55.

[10] **Damiano Perri**, Osvaldo Gervasi e Marco Simonetti. «A New Exercise Environment for the Experimental Treatment of Visual Snow». In: *Computational Science and Its Applications – ICCSA 2023 Workshops*. A cura di Osvaldo Gervasi, Beniamino Murgante, Ana Maria A. C. Rocha, Chiara Garau, Francesco Scorza, Yeliz Karaca e Carmelo M. Torre. Cham: Springer Nature Switzerland, 2023, pp. 243–252.

[11] **Damiano Perri**, Marco Simonetti, Sergio Tasso e Osvaldo Gervasi. «Open Metaverse with Open Software». In: *Computational Science and Its Applications – ICCSA 2023 Workshops*. A cura di Osvaldo Gervasi, Beniamino Murgante, Ana Maria A. C. Rocha, Chiara Garau, Francesco Scorza, Yeliz Karaca e Carmelo M. Torre. Cham: Springer Nature Switzerland, 2023, pp. 583–596.

[12] Marco Simonetti, **Damiano Perri** e Osvaldo Gervasi. «A Simple Implementation of an Entangler Circuit by Using Quantum Linear Optics». In: *Computational Science and Its Applications – ICCSA 2023 Workshops*. A cura di Osvaldo Gervasi, Beniamino Murgante, Ana Maria A. C. Rocha, Chiara Garau, Francesco Scorza, Yeliz Karaca e Carmelo M. Torre. Cham: Springer Nature Switzerland, 2023, pp. 116–129.

[13] Osvaldo Gervasi, **Damiano Perri**, Marco Simonetti e Sergio Tasso. «Strategies for the Digitalization of Cultural Heritage». In: *Computational Science and Its Applications – ICCSA 2022 Workshops*. A cura di Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Ana Maria A. C. Rocha e Chiara Garau. Cham: Springer International Publishing, 2022, pp. 486–502.

[14] **Damiano Perri**, Marco Simonetti, Osvaldo Gervasi e Natale Amato. «A Mobile App to Help People Affected by Visual Snow». In: *Computational Science and Its Applications – ICCSA 2022 Workshops*. A cura di Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Ana Maria A. C. Rocha e Chiara Garau. Cham: Springer International Publishing, 2022, pp. 473–485.

[15] Marco Simonetti, **Damiano Perri** e Osvaldo Gervasi. «An Example of Use of Variational Methods in Quantum Machine Learning». In: *Computational Science and Its Applications – ICCSA 2022 Workshops*. A cura di Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Ana Maria A. C. Rocha e Chiara Garau. Cham: Springer International Publishing, 2022, pp. 597–609.

[16] **Damiano Perri**, Marco Simonetti, Alex Bordini, Simone Cimarelli e Osvaldo Gervasi. «IoT to Monitor People Flow in Areas of Public Interest». In: *Computational Science and Its Applications – ICCSA 2021*. A cura di Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Chiara Garau, Ivan Blečić, David Taniar, Bernady O. Apduhan, Ana Maria A. C. Rocha, Eufemia Tarantino e Carmelo Maria Torre. Cham: Springer International Publishing, 2021, pp. 658–672.

[17] **Damiano Perri**, Marco Simonetti, Andrea Lombardi, Noelia Faginas-Lago e Osvaldo Gervasi. «A New Method for Binary Classification of Proteins with Machine Learning». In: *Computational Science and Its Applications – ICCSA 2021*. A cura di Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Chiara Garau, Ivan Blečić, David Taniar, Bernady O. Apduhan, Ana Maria A. C. Rocha, Eufemia Tarantino e Carmelo Maria Torre. Cham: Springer International Publishing, 2021, pp. 388–397.

[18] **Damiano Perri**, Marco Simonetti, Sergio Tasso, Federico Ragni e Osvaldo Gervasi. «Implementing a Scalable and Elastic Computing Environment Based on Cloud Containers». In: *Computational Science and Its Applications – ICCSA 2021*. A cura di Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Chiara Garau, Ivan Blečić, David Taniar, Bernady O. Apduhan, Ana Maria A. C. Rocha, Eufemia Tarantino e Carmelo Maria Torre. Cham: Springer International Publishing, 2021, pp. 676–689.

[19] Priscilla Benedetti, **Damiano Perri**, Marco Simonetti, Osvaldo Gervasi, Gianluca Reali e Mauro Femminella. «Skin Cancer Classification Using Inception Network and Transfer Learning». In: *Computational Science and Its Applications – ICCSA 2020*. A cura di Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Chiara Garau, Ivan Blečić, David Taniar, Bernady O. Apduhan, Ana Maria A.C. Rocha, Eufemia Tarantino, Carmelo Maria Torre e Yeliz Karaca. Cham: Springer International Publishing, 2020, pp. 536–545.

[20] **Damiano Perri**, Marco Simonetti, Andrea Lombardi, Noelia Faginas-Lago e Osvaldo Gervasi. «Binary Classification of Proteins by a Machine Learning Approach». In: *Computational Science and Its Applications – ICCSA 2020*. A cura di Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Chiara Garau, Ivan Blečić, David Taniar, Bernady O. Apduhan, Ana Maria A. C. Rocha, Eufemia Tarantino, Carmelo Maria Torre e Yeliz Karaca. Cham: Springer International Publishing, 2020, pp. 549–558.

[21] Francesca Santucci, Federico Frenguelli, Alessandro De Angelis, Ilaria Cuccaro, **Damiano Perri** e Marco Simonetti. «An Immersive Open Source Environment Using Godot». In: *Computational Science and Its Applications – ICCSA 2020*. A cura di Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Chiara Garau, Ivan Blečić, David Taniar, Bernady O. Apduhan, Ana Maria A. C. Rocha, Eufemia Tarantino, Carmelo Maria Torre e Yeliz Karaca. Cham: Springer International Publishing, 2020, pp. 784–798.

[22] Marco Simonetti, **Damiano Perri**, Natale Amato e Osvaldo Gervasi. «Teaching Math with the Help of Virtual Reality». In: *Computational Science and Its Applications – ICCSA 2020*. A cura di Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Chiara Garau, Ivan Blečić, David Taniar, Bernady O. Apduhan, Ana Maria A. C. Rocha, Eufemia Tarantino, Carmelo Maria Torre e Yeliz Karaca. Cham: Springer International Publishing, 2020, pp. 799–809.

[23] Giulio Biondi, Valentina Franzoni, Osvaldo Gervasi e **Damiano Perri**. «An Approach for Improving Automatic Mouth Emotion Recognition». In: *Computational Science and Its Applications – ICCSA 2019*. A cura di Sanjay Misra, Osvaldo Gervasi, Beniamino Murgante, Elena Stankova, Vladimir Korkhov, Carmelo Torre, Ana Maria A.C. Rocha, David Taniar, Bernady O. Apduhan e Eufemia Tarantino. Cham: Springer International Publishing, 2019, pp. 649–664.

[24] Valentina Franzoni, Sergio Tasso, Simonetta Pallottelli e **Damiano Perri**. «Sharing Linkable Learning Objects with the Use of Metadata and a Taxonomy Assistant for Categorization». In: *Computational Science and Its Applications – ICCSA 2019*. A cura di Sanjay Misra, Osvaldo Gervasi, Beniamino Murgante, Elena Stankova, Vladimir Korkhov, Carmelo Torre, Ana Maria A.C. Rocha, David Taniar, Bernady O. Apduhan e Eufemia Tarantino. Cham: Springer International Publishing, 2019, pp. 336–348.

[25] Osvaldo Gervasi, Martina Fortunelli, Riccardo Magni, **Damiano Perri** e Marco Simonetti. «Mobile Localization Techniques Oriented to Tangible Web». In: *Computational Science and Its Applications – ICCSA 2019*. A cura di Sanjay Misra, Osvaldo Gervasi, Beniamino Murgante, Elena Stankova, Vladimir Korkhov, Carmelo Torre, Ana Maria A.C. Rocha, David Taniar, Bernady O. Apduhan e Eufemia Tarantino. Cham: Springer International Publishing, 2019, pp. 118–128.

[26] **Damiano Perri**, Paolo Sylos Labini, Osvaldo Gervasi, Sergio Tasso e Flavio Vella. «Towards a Learning-Based Performance Modeling for Accelerating Deep Neural Networks». In: *Computational Science and Its Applications – ICCSA 2019*. A cura di Sanjay Misra, Osvaldo Gervasi, Beniamino Murgante, Elena Stankova, Vladimir Korkhov, Carmelo Torre, Ana Maria A.C. Rocha, David Taniar, Bernady O. Apduhan e Eufemia Tarantino. Cham: Springer International Publishing, 2019, pp. 665–676.

[27] Antonio Laganà, Osvaldo Gervasi, Sergio Tasso, **Damiano Perri** e Francesco Franciosa. «The ECTN Virtual Education Community Prosumer Model for Promoting and Assessing Chemical Knowledge». In: *Computational Science and Its Applications – ICCSA 2018*. A cura di Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Elena Stankova, Carmelo M. Torre, Ana Maria A.C. Rocha, David Taniar, Bernady O. Apduhan, Eufemia Tarantino e Yeonseung Ryu. Cham: Springer International Publishing, 2018, pp. 533–548.

Posters

[1] **Damiano Perri**, Irene Fioravanti, Osvaldo Gervasi e Stefania Spina. «Combining Grammatical and Relational Approaches. A Hybrid Method for the Identification of Candidate Collocations from Corpora». Torino, Italia, mag. 2024. DOI: 10.13140/RG.2.2.34070.46408. URL: https://aclanthology.org/2024.mwe-1.18.

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Master's theses

[1] Andrea Montani, **Damiano Perri** e Osvaldo Gervasi. «Reinforcement Learning in Unity». tesi sperimentale, Laurea Magistrale. University of Perugia, IT, 2024.

[2] Giovanni Lasagna, **Damiano Perri** e Osvaldo Gervasi. «Evoluzione delle funzionalità di una piattaforma per la gestione di conferenze scientifiche». tesi sperimentale, Laurea Magistrale. University of Perugia, IT, feb. 2023.

[3] Aniello Coscione, **Damiano Perri**, Osvaldo Gervasi e David Berti. «Deep Learning e Neural Network per la sicurezza a bordo vettura per la prevenzione di sinistri con fauna selvatica». tesi sperimentale, Laurea Magistrale. University of Perugia, IT, apr. 2022.

[4] Alex Dominici, **Damiano Perri**, Osvaldo Gervasi e David Berti. «Car diagnostics con Amazon Alexa». tesi sperimentale, Laurea Magistrale. University of Perugia, IT, feb. 2022.

[5] Manuel Severi, **Damiano Perri**, Osvaldo Gervasi e Marco Simonetti. «Classificatore in 4D di proteine mediante l'uso della PointNet». tesi sperimentale, Laurea Magistrale. University of Perugia, IT, apr. 2022.

[6] Yana Kozak, **Damiano Perri**, Osvaldo Gervasi e Marco Simonetti. «Quantum machine learning: A case study of Quanvolutional Neural Networks». tesi sperimentale, Laurea Magistrale. University of Perugia, IT, 2021.

[7] Domenico Pagliuca, Sergio Tasso e **Damiano Perri**. «Dark web e Black market: illegalità a portata di click». tesi sperimentale, Laurea Magistrale. University of Perugia, IT, nov. 2021.

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