Florenc **Demrozi**

Ph.D. in Computer Science · Professor in Biomedical/Medical Engineering/Technology

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"Run towards the future without forgetting the past"
"Vrapo drejt se ardhmes duke mos harrua kurrë të kaluarën"

Personal data

Name	Florenc
Surname	Demrozi
Place of birth	Durres, Albania
Date of Birth	May 1991
Nationalities	Albanian, Italian
ORCID	0000-0002-5422-9826

Summary

I am currently a **Full Professor** in Biomedical/Medical Engineering/Technology at the Department of Electrical Engineering and Computer Science, University of Stavanger, Norway, working on Machine Learning, Human Activity Recognition (HAR), Active and Assisted Living (AAL), Internet of Medical Things (IoMT), and AI-driven sensor systems for proactive healthcare. I obtained my Ph.D. in Computer Science in May 2020 under the supervision of Prof. Graziano Pravadelli, with a thesis on "An IoT-based Virtual Coaching System for Assisting Activities of Daily Life". Previously, I received my Master's degree (M.Sc.) in Computer Science and Engineering at the University of Verona in 2016 with a thesis on automatic generation of self-adaptive transactors from PSL assertions, and my Bachelor's degree (B.Sc.) in Computer Science at the same university in 2014.

Employment positions

Department of Electrical Engineering and Computer Science, University of Stavanger, Norway — *Stavanger, Norway*

Professor in Biomedical/Medical Engineering/Technology — *June 2025 - Present*

Key research areas: Biomedical/Medical Engineering/Technology, Human Activity Recognition (HAR), Active and Assisted Living (AAL), and Internet of Medical Things (IoMT)

Department of Electrical Engineering and Computer Science, University of Stavanger, Norway — *Stavanger, Norway*

Associate Professor in Biomedical/Medical Engineering/Technology — *October 2022 - Present*

Key research areas: Biomedical/Medical Engineering/Technology, Human Activity Recognition (HAR), Ambient Intelligence (AmI), Ambient Assisted Living (AAL), and Internet of Medical Things (IoMT)

Department of Computer Science and Information Systems, University of Limerick — *Limerick, Ireland*

AWS Fellow — *January 2023 - March 2023*

This visiting period was founded by the AWS fellowship program related to the Immersive Software Engineering study program.

Department of Computer Science, University of Verona, Italy — *Verona, Italy*

Postdoctoral research fellow — *May 2020 - September 2022*

Key research areas: Human Activity Recognition (HAR), Ambient Intelligence (AmI), Ambient Assisted Living (AAL), and Internet of Medical Things (IoMT)

Faculty of Computer Science, TU Chemnitz, Germany — *Chemnitz, Germany*

Visiting research fellow — *October 2021 - March 2022*

Key research areas: Human Activity Recognition (HAR) based on radio signal propagation pattern.

Teaching activities

Department of Engineering for Innovative Medicine — *University of Verona, Italy*

Teaching — *Academic year 2025-2026*

Course Name: Advanced Training and Professional Development Course in Law and Ethics of Artificial Intelligence in Medicine
Number of course credits: 1 of 3 (2 Hours)
Number of students: 10
Language of instruction: Italian

Department of Chemistry, Bioscience and Environmental Engineering *University of Stavanger, Norway*

Teaching *Academic year 2025-2026*

Course Name: Bioinformatics
Number of course credits: 2 of 10 (20 Hours)
Master degree: Biological Chemistry
Number of students: 10
Language of instruction: English

Department of Electrical Engineering and Computer Science *University of Stavanger, Norway*

Teaching *Academic year 2022-2023*

Course Name: Sensors and Measurements
Number of course credits: 10 of 10 (104 Hours)
Bachelor degree: Medical Systems
Number of students: 43
Language of instruction: English

Past teaching activities

Department of Computer Science and Information Systems *University of Limerick, Ireland*

Teaching *Academic year 2022-2023*

Course Name: Data analytics: From the source to the intelligence
Number hours credits: 55.5 Hours
Bachelor/Master degree: Immersive Software Engineering
Number of students: 25
Language of instruction: English

Ph.D. School, University of Verona, Italy *Verona, Italy*

Teaching *Academic year 2022-2023*

Course Name: A practical interdisciplinary Ph.D. course on exploratory data analysis
Number of course credits: 5 of 5 (16 Hours)
Ph.D. Programs: Computer Science, Neuroscience and Biotechnology, Biomolecular Medicine, Life and health science, and Inflammation, Immunity and Cancer
Number of Ph.D. students: 32
Language of instruction: English

Department of Computer Science, University of Verona, Italy *Verona, Italy*

Teaching *Academic year 2021-2022*

Course Name: Operating Systems: Laboratory: Theory module
Number of course credits: 2 of 12 (24 Hours)
Bachelor Degree Computer Science
Number of students: 245
Language of instruction: Italian

Ph.D. School, University of Verona, Italy *Verona, Italy*

Teaching *Academic year 2021-2022*

Course Name: A practical interdisciplinary Ph.D. course on exploratory data analysis
Number of course credits: 3 of 5 (12 Hours)
Ph.D. Programs: Computer Science, Neuroscience and Biotechnology, Biomolecular Medicine, Life and health science, and Inflammation, Immunity and Cancer
Number of Ph.D. students: 35
Language of instruction: English

Department of Computer Science, University of Verona, Italy *Verona, Italy*

Teaching *Academic year 2020-2021*

Course Name: Operating Systems: Laboratory: Theory module
Number of course credits: 2 of 12 (24 Hours)
Bachelor Degree Computer Science
Number of students: 255
Language of instruction: Italian

Department of Computer Science, University of Verona, Italy *Verona, Italy*

Teaching *Academic year 2020-2021*

Course Name: Operating Systems: Laboratory: Practice Module
Number of course credits: 2 of 12 (24 Hours)
Bachelor Degree Computer Science
Number of students: 255
Language of instruction: Italian

Other teaching experience

Department of Computer Science, University of Verona, Italy — *Verona, Italy*

Teaching (guest) (8 hours) — *Academic year 2020-2021*

Course Name: Embedded Operating Systems
Master Degree: Computer Engineering for Robotics and Smart Industry
Language: English

Department of Computer Science, University of Verona, Italy — *Verona, Italy*

Teaching (guest) (8 hours) — *Academic year 2019-2020*

Course Name: Advanced Operating Systems
Master Degree: Computer Science and Engineering
Language of instruction: Italian

Department of Computer Science, University of Verona, Italy — *Verona, Italy*

Teaching Assistant (24 hours) — *Academic year 2018-2019*

Course Name: Advanced Operating Systems
Disciplinary sector: ING-INF/05 - Information Processing Systems
Language of instruction: Italian

Department of Computer Science, University of Verona, Italy — *Verona, Italy*

Teaching Assistant (48 hours per year) — *Academic years 2016-2017/2017-2018/2018-2019*

Course Name: Operating Systems
Disciplinary sector: ING-INF/05 - Information Processing Systems
Language of instruction: Italian

Department of Computer Science, University of Verona — *Verona, Italy*

Research scholarship — *April 2016 - September 2016*

Supervisor: Prof. Matteo Cristani
Activity: Design of an architecture based on IoT devices (e.g., Single Board Computer (SBC), Single Board Micro-controller (SBM)) aiming to facilitate the controllability and observability of industrial plants from a remote web-app application. Specifically, we defined an approach to implement the control strategy of industrial plants through Extended Finite State Machines (EFSMs).

Education

University of Stavanger, Norway — *Stavanger, Norway*

Ph.D. Supervisory qualification program — *March 2025 - June 2025*

Course program consists of 100 hours: a) 30 hours of sessions/lectures, b) 70 hours of compulsory work

University of Stavanger, Norway — *Stavanger, Norway*

Basic Course in Higher Education Pedagogies — *October 2022 - June 2023*

Course program consists of 150 hours: a) 75 hours of sessions/lectures, b) 75 hours of compulsory work

University of Verona, Italy — *Verona, Italy*

Ph.D. in Computer Science — *October 2016 - May 2020*

Key research areas: Human Activity Recognition (HAR), Ambient Intelligence (AmI), Ambient Assisted Living (AAL) and Internet of Medical Things (IoMT)
Title of the thesis: An IoT based Virtual Coaching System for Assisting Activities of Daily Life
Graduation date: 04/05/2020
Advisior: Prof. Graziano Pravadelli

University of Verona, Italy — *Verona, Italy*

M.S. in Computer Science and Engineering — *October 2013 - March 2016*

Degree: LM-32 - Master Degree in Computer Science and Engineering
Title of the thesis: Automatic generation of self-adaptive TLM protocols from PSL assertions
Supervisor: Prof. Graziano Pravadelli
Graduation date: 17/03/2016
Grade: 110/110 cum laude

University of Verona, Italy — *Verona, Italy*

B.S. in Computer Science — *October 2010 - March 2014*

Degree: Degree: L-31 - Bachelor Degree in Computer Science
Title of the thesis: Graphical User Interface for TestBench Specification Language (TSL) Generators
Supervisor: Prof. Graziano Pravadelli
Graduation date: 19/03/2014
Grade: 95/110

Visiting experiences

University of Verona, Dep. of Engineering for Innovation Medicine, Italy — *Verona, Italy*

Visiting Professor — *June 2024 - July 2024*

Host: Prof. Graziano Pravadelli. Full professor Dep. of Engineering for Innovation Medicine.
This visiting period was founded by the FSE project UNISCO.

University of Verona, Dep. of Engineering for Innovation Medicine, Italy — *Verona, Italy*

Visiting Professor — *January 2024 - March 2024*

Host: Prof. Graziano Pravadelli. Full professor Dep. of Engineering for Innovation Medicine.
This visiting period was founded by the Internationalization program of the University of Verona.

University of Limerick, Dept. of Computer Science and Information Systems, Ireland — *Limerick, Ireland*

AWS Fellowship — *January 2023 - March 2023*

Host: Prof. Tiziana Margaria. Full professor and Chair of Software Systems at the Dept. of Computer Science and Information Systems at the University of Limerick.
This visiting period was founded by the AWS fellowship program related to the Immersive Software Engineering study program.

TU Chemnitz, Faculty of Computer Science, Germany — *Straße der Nationen 62, 09111 Chemnitz, Germany*

Founded Visiting Post-Doc — *October 2021 - March 2022*

Host: Jun. Prof. Dr. Philipp Kindt. Assistant professor at the TU Chemnitz, Faculty of Computer Science, chair of Pervasive Computing Systems.
This visiting period was founded by the internationalization program of TUC with 12000 euros.

Department of Biomedical Engineering (BME) at University of Florida, United States — *1275 Center Dr, Gainesville, FL 32611, USA*

Visiting Ph.D. Student — *August 2019 - December 2019*

Supervisor: Prof. Parisa Rashidi. Associate professor at the J. Crayton Pruitt Family Department of Biomedical Engineering (BME) at University of Florida (UF). She is also affiliated with the Electrical & Computer Engineering (ECE), as well as Computer & Information Science & Engineering (CISE) departments. She is the director of the "Intelligent Health Lab" (i-Heal). Her research aims to bridge the gap between machine learning and patient care.
This visiting period concluded with the publication of a conference article [**C6**] and a journal article [**J2**].

Summer Schools

Lipari School on Computational Complex and Social Systems - Cities of citizens: biosensors, social modeling and participatory computing — *Lipari Island, Italy*

Participant — *July 16-22, 2017*

Summer School on Formal Methods for Cyber-Physical Systems: Automatic Synthesis of Controllers for Hybrid Systems — *Verona, Italy*

Participant — *September 12-17, 2017*

Designing Cyber-Physical Systems From concepts to implementation — *Alghero, Italy*

Participant — *September 23-27, 2017*

School on Emerging Technologies for Design and Engineering of Electronics Systems — *Verona, Italy*

Participant — *October 5-7, 2017*

Summer School on Formal Methods for Cyber-Physical Systems — *Verona, Italy*

Participant — *June 3-7, 2019*

Scientific publications

Journal Articles

[J1] Luigi Borzì, **Demrozi, Florenc**, Ruggero Angelo Bacchin, Cristian Turetta, Michele Tebaldi, Luis Sigcha, Samaneh Zolfaghari, Domiziana Rinaldi, Giuliana Fazzina, Giulio Balestro, et al. "A multi-level annotated sensor dataset of gait freezing manifestations and severity in Parkinson's disease". In: *Scientific Data* (2026).

[J2] Luigi Borzi, **Florenc Demrozi**, Ruggero A. Bacchin, Cristian Turetta, Luis Sigcha, Domiziana Rinaldi, Giuliana Fazzina, Giulio Balestro, Alessandro Picelli, Graziano Pravadelli, Gabriella Olmo, Stefano Tamburin, Leonardo Lopiano, and Carlo A. Artusi. "Freezing of gait detection: the effect of sensor type, position, activities, datasets, and machine learning model". In: *Journal of Parkinson's Disease* (2025). Accepted for publication. URL: https://www.journalofparkinsonsdisease.com/.

[J3] Luigi Borzì, Luis Sigcha, Farshad Firouzi, Gabriella Olmo, and **Demrozi, Florenc**. "Edge-based freezing of gait recognition in Parkinson's disease". In: *Computers and Electrical Engineering* 127 (2025), p. 110530.

[J4] **Demrozi, Florenc**, Mina Farmanbar, and Kjersti Engan. "Multimodal AI (MMAI) for Next-Generation Healthcare: Data Domains, Algorithms, Challenges, and Future Perspectives". In: *Current Opinion in Biomedical Engineering* (2025), p. 100632. ISSN: 2468-4511.

[J5] Matteo Iervasi, Jodi Maple Grødem, Luigi Borzì, Guido Werner Alves, Trygve Eftestøl, and **Demrozi, Florenc**. "Cueing Technologies in Parkinson's Disease: A Systematic Review". In: *IEEE Access* (2025), pp. 1–1. DOI: 10.1109/ACCESS.2025.3647133.

[J6] Muhammed Toqeer Ali, Cristian Turetta, Graziano Pravadelli, and **Demrozi, Florenc**. "ICT-based solutions for Alzheimer's Disease Care: A systematic review". In: *IEEE Access* (2024).

[J7] Federico Cunico, Stefano Aldegheri, Andrea Avogaro, Michele Boldo, Nicola Bombieri, Luigi Capogrosso, Ariel Caputo, Damiano Carra, Stefano Centomo, Dong Seon Cheng, **Demrozi, Florenc**, et al. "Enhancing Safety and Privacy in Industry 4.0: The ICE Laboratory Case Study". In: *IEEE Access* (2024).

[J8] Cristian Turetta, **Demrozi, Florenc**, and Graziano Pravadelli. "B-HAR: an open-source baseline framework for in-depth study of human activity recognition datasets and workflows". In: *IEEE Access* (2024).

[J9] Paola Cesari, Matteo Cristani, **Demrozi, Florenc**, Francesco Pascucci, Pietro Maria Picotti, Graziano Pravadelli, Claudio Tomazzoli, Cristian Turetta, Tewabe Chekole Workneh, and Luca Zenti. "Towards Posture and Gait Evaluation through Wearable-Based Biofeedback Technologies". In: *Electronics* 12.3 (2023), p. 644.

[J10] **Demrozi, Florenc**, Cristian Turetta, and Graziano Pravadelli. "SHPIA 2.0: An Easily Scalable, Low-Cost, Multi-purpose Smart Home Platform for Intelligent Applications". In: *SN Computer Science* 5.1 (2023), p. 42.

[J11] **Demrozi, Florenc**, Cristian Turetta, Philipp H Kindt, Fabio Chiarani, Ruggero Bacchin, Nicola Valè, Francesco Pascucci, Paola Cesari, Nicola Smania, Stefano Tamburin, et al. "A Low-Cost Wireless Body Area Network for Human Activity Recognition in Healthy Life and Medical Applications". In: *IEEE Transactions on Emerging Topics in Computing* (2023).

[J12] Elisa Mantovani, **Demrozi, Florenc**, Daniel L Hertz, Cristian Turetta, Omar Ferro, Andreas A Argyriou, Graziano Pravadelli, and Stefano Tamburin. "Wearables, sensors, and smart devices for the detection and monitoring of chemotherapy-induced peripheral neurotoxicity: Systematic review and directions for future research". In: *Journal of the Peripheral Nervous System* 27.4 (2022), pp. 238–258.

[J13] **Demrozi, Florenc**, Cristian Turetta, Fabio Chiarani, Philipp H Kindt, and Graziano Pravadelli. "Estimating indoor occupancy through low-cost BLE devices". In: *IEEE Sensors Journal* 21.15 (2021), pp. 17053–17063.

[J14] **Demrozi, Florenc**, Graziano Pravadelli, Azra Bihorac, and Parisa Rashidi. "Human activity recognition using inertial, physiological and environmental sensors: A comprehensive survey". In: *IEEE access* 8 (2020), pp. 210816–210836.

[J15] **Demrozi, Florenc**, Ruggero Bacchin, Stefano Tamburin, Marco Cristani, and Graziano Pravadelli. "Toward a wearable system for predicting freezing of gait in people affected by Parkinson's disease". In: *IEEE journal of biomedical and health informatics* 24.9 (2019), pp. 2444–2451.

Conference Articles

[C1] Matteo Iervasi, Cristian Turetta, Graziano Pravadelli, and **Demrozi, Florenc**. "A Multi-Sensor Approach for Soft Labeling in Human Activity Recognition Domain". In: *2026 Design, Automation & Test in Europe Conference & Exhibition (DATE)*. IEEE. 2026, pp. 000–000.

[C2] Cristian **[Best Paper Award]** Turetta, Muhammed Toqeer Ali, **Demrozi, Florenc**, and Graziano Pravadelli. "A Lightweight CNN for Real-Time Pre-Impact Fall Detection". In: *2025 Design, Automation & Test in Europe Conference & Exhibition (DATE)*. IEEE. 2025, pp. 000–000.

[C3] Luigi Borzi, Michele Tebaldi, and **Demrozi, Florenc**. "AI-based recognition of daily activities in Parkinson's disease using wearable inertial sensors". In: *International Conference on Frontiers of Artificial Intelligence, Ethics, and Multidisciplinary Applications*. Springer. 2025.

[C4] Florenc Demrozi and Fadi Al Machot. "Few-Shot Learning for Hand-Based Micro Activity Recognition". In: *2025 IEEE International Conference on Omni-layer Intelligent Systems (COINS)*. IEEE. 2025, pp. 1–6.

[C5] Michele Tebaldi, Luigi Borzì, Gabriella Olmo, Rosalba Giugno, Graziano Pravadelli, and **Demrozi, Florenc**. "Exploring Parkinson's Disease Datasets: Key Findings, Challenges, and Recommendations for Motor Symptom Analysis". In: *2025 47th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)*. 2025, pp. 1–7. DOI: 10.1109/EMBC58623.2025.11252635.

[C6] Fadi Al Machot, Habib Ullah, and **Demrozi, Florenc**. "Recognizing hand-based micro activities using wrist-worn inertial sensors: a zero-shot learning approach". In: *The Combined Power of Research, Education, and Dissemination: Essays Dedicated to Tiziana Margaria on the Occasion of Her 60th Birthday*. Springer, 2024, pp. 215–234.

[C7] **Demrozi, Florenc** and Fadi Al Machot. "An enhanced subject-independent approach for hand-based micro activities recognition". In: *2024 IEEE International Conference on Omni-layer Intelligent Systems (COINS)*. IEEE. 2024, pp. 1–5.

[C8] Philipp H. Kindt, Cristian Turetta, **Demrozi, Florenc**, Alejandro Masrur, Graziano Pravadelli, and Samarjit Chakraborty. "Artifact: WirelessEye – Seeing over WiFi Made Accessible". In: *2024 IEEE International Conference on Pervasive Computing and Communications Workshops and other Affiliated Events (PerCom Workshops)*. Vol. -. -. 2024, pp. 15–16. DOI: 10.1109/PerComWorkshops59983.2024.10502539.

[C9] Philipp H. Kindt, Cristian Turetta, **Demrozi, Florenc**, Alejandro Masrur, Graziano Pravadelli, and Samarjit Chakraborty. "WirelessEye - Seeing over WiFi Made Accessible". In: *2024 IEEE International Conference on Pervasive Computing and Communications Workshops and other Affiliated Events (PerCom Workshops)*. Vol. -. -. 2024, pp. 562–567. DOI: 10.1109/PerComWorkshops59983.2024.10503162.

[C10] Michele Tebaldi, Graziano Pravadelli, **Demrozi, Florenc**, Rosalba Giugno, and Cristian Turetta. "Enhancing Freezing of Gait Detection in Parkinson's Through Fine-Tuned Deep Learning Models". In: *2024 IEEE International Conference on Digital Health (ICDH)*. IEEE. 2024, pp. 87–94.

[C11] Cristian Turetta, Philipp H. Kindt, Alejandro Masrur, Samarjit Chakraborty, Graziano Pravadelli, and **Demrozi, Florenc**. "Environmental Microchanges in WiFi Sensing". In: *2024 Design, Automation & Test in Europe Conference & Exhibition (DATE)*. IEEE. 2024.

[C12] **Demrozi, Florenc**, Marina Marchisio, Tiziana Margaria, and Matteo Sacchet. "Experiences from the first delivery of a new immersive software engineering course: mathematical foundations and data analytics". In: *2023 IEEE 47th Annual Computers, Software, and Applications Conference (COMPSAC)*. IEEE. 2023, pp. 1576–1581.

[C13] **Demrozi, Florenc**, Cristian Turetta, and Graziano Pravadelli. "Fostering Human Activity Recognition Workflows: An Open-Source Baseline Framework". In: *2023 IEEE International Conference on Digital Health (ICDH)*. IEEE. 2023, pp. 75–80.

[C14] Amandeep Singh, Tiziana Margaria, and **Demrozi, Florenc**. "Cnn-based human activity recognition on edge computing devices". In: *2023 IEEE International Conference on Omni-layer Intelligent Systems (COINS)*. IEEE. 2023, pp. 1–4.

[C15] Cristian Turetta, **Demrozi, Florenc**, Sofia Franceschi, Davide Zamboni, and Graziano Pravadelli. "Non-Invasive Monitoring of Alzheimer's patients through WiFi Channel State Information". In: *2023 9th International Workshop on Advances in Sensors and Interfaces (IWASI)*. IEEE. 2023, pp. 103–108.

[C16] Cristian Turetta, Geri Skenderi, Luigi Capogrosso, **Demrozi, Florenc**, Philipp H Kindt, Alejandro Masrur, Franco Fummi, Marco Cristani, and Graziano Pravadelli. "Towards Deep Learning-based Occupancy Detection Via WiFi Sensing in Unconstrained Environments". In: *2023 Design, Automation & Test in Europe Conference & Exhibition (DATE)*. IEEE. 2023, pp. 1–6.

[C17] **Best Paper Candidate**, **Demrozi, Florenc**, and Graziano Pravadelli. "SHPIA: A Low-Cost Multi-purpose Smart Home Platform for Intelligent Applications". In: *IFIP International Internet of Things Conference*. Springer International Publishing Cham. 2022, pp. 217–234.

[C18] Luisa Bissoli, Davide Bonacina, Nicoló Dalla Riva, **Demrozi, Florenc**, Marin Jereghi, Nicola Marchiotto, Giovanni Perbellini, Bruno Pernice, Erica Pizzocaro, Graziano Pravadelli, et al. "A virtual coaching platform to support therapy compliance in obesity". In: *2022 IEEE 46th Annual Computers, Software, and Applications Conference (COMPSAC)*. IEEE. 2022, pp. 694–699.

[C19] Michele Boldo, Nicola Bombieri, Stefano Centomo, Mirco De Marchi, **Demrozi, Florenc**, Graziano Pravadelli, Davide Quaglia, and Cristian Turetta. "Integrating wearable and camera based monitoring in the digital twin for safety assessment in the industry 4.0 era". In: *International Symposium on Leveraging Applications of Formal Methods*. Springer Nature Switzerland Cham. 2022, pp. 184–194.

[C20] Cristian Turetta, **Demrozi, Florenc**, Philipp H Kindt, Alejandro Masrur, and Graziano Pravadelli. "Practical identity recognition using wifi's channel state information". In: *2022 Design, Automation & Test in Europe Conference & Exhibition (DATE)*. IEEE. 2022, pp. 76–79.

[C21] **Demrozi, Florenc**, Fabio Chiarani, and Graziano Pravadelli. "A low-cost BLE-based distance estimation, occupancy detection and counting system". In: *2021 Design, Automation & Test in Europe Conference & Exhibition (DATE)*. IEEE. 2021, pp. 1430–1433.

[C22] **Demrozi, Florenc**, Marin Jereghi, and Graziano Pravadelli. "Towards the automatic data annotation for human activity recognition based on wearables and BLE beacons". In: *2021 IEEE International Symposium on Inertial Sensors and Systems (INERTIAL)*. IEEE. 2021, pp. 1–4.

[C23] **Demrozi, Florenc**, Nicola Serlonghi, Cristian Turetta, Cristiano Pravadelli, and Graziano Pravadelli. "Exploiting bluetooth low energy smart tags for virtual coaching". In: *2021 IEEE 7th World Forum on Internet of Things (WF-IoT)*. IEEE. 2021, pp. 470–475.

[C24] **Demrozi, Florenc**, Graziano Pravadelli, Patrick J Tighe, Azra Bihorac, and Parisa Rashidi. "Joint Distribution and Transitions of Pain and Activity in Critically Ill Patients". In: *2020 42nd Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC)*. IEEE. 2020, pp. 4534–4538.

[C25] **Demrozi, Florenc**, Vladislav Bragoi, Federico Tramarin, and Graziano Pravadelli. "An indoor localization system to detect areas causing the freezing of gait in parkinsonians". In: *2019 Design, Automation & Test in Europe Conference & Exhibition (DATE)*. IEEE. 2019, pp. 952–955.

[C26] Matteo Cristani, **Demrozi, Florenc**, and Claudio Tomazzoli. "ONTO-PLC: An ontology-driven methodology for converting PLC industrial plants to IoT". In: vol. 126. Elsevier, 2018, pp. 527–536.

[C27] **Demrozi, Florenc**, Kevin Costa, Federico Tramarin, and Graziano Pravadelli. "A graph-based approach for mobile localization exploiting real and virtual landmarks". In: *2018 IFIP/IEEE International Conference on Very Large Scale Integration (VLSI-SoC)*. IEEE. 2018, pp. 249–254.

[C28] **Demrozi, Florenc**, Riccardo Zucchelli, and Graziano Pravadelli. "Exploiting sub-graph isomorphism and probabilistic neural networks for the detection of hardware Trojans at RTL". In: *2017 IEEE International High Level Design Validation and Test Workshop (HLDVT)*. IEEE. 2017, pp. 67–73.

[C29] **Demrozi, Florenc**, Graziano Pravadelli, and Francesco Stefanni. "Automatic generation of self-adaptive transactors from PSL assertions". In: *2016 Forum on Specification and Design Languages (FDL)*. IEEE. 2016, pp. 1–7.

Preprints

[P1] **Demrozi, Florenc**, Cristian Turetta, Fadi Al Machot, Graziano Pravadelli, and Philipp H Kindt. *A comprehensive review of automated data annotation techniques in human activity recognition*. 2023.

[P2] **Demrozi, Florenc**, Cristian Turetta, Alejandro Masrur, Martin Schmidhammer, Christian Gentner, Samarjit Chakraborty, Graziano Pravadelli, and Philipp Kindt. *A Dataset on CSI-based Activity Recognition in Real-World Environments*. 2023.

Books

[B1] Kyandoghere Kyamakya, Fadi Al Machot, Habib Ullah, and **Demrozi, Florenc**. *Recent Advances in Machine Learning Techniques and Sensor Applications for Human Emotion, Activity Recognition and Support*. 2024.

[B2] Alessandro Zampogna, Luigi Borzì, Carolina Soares, and **Demrozi, Florenc**. *High-tech personalized healthcare in movement disorders*. 2024.

[B3] Gabriella Olmo, **Demrozi, Florenc**, and Luigi Borzì. *Wearable Sensors for Supporting Diagnosis, Prognosis, and Monitoring of Neurodegenerative Diseases*. 2023.

Ph.D. Theses

[T1] **Demrozi, Florenc**. *An IoT based Virtual Coaching System (VSC) for Assisting Activities of Daily Life*. 2020.

Editorials

[E1] Alessandro Zampogna, Luigi Borzì, Carolina Soares, and **Demrozi, Florenc**. *High-tech personalized healthcare in movement disorders*. 2024.

[E2] **Demrozi, Florenc**, Luigi Borzì, and Gabriella Olmo. *Wearable Sensors for Supporting Diagnosis, Prognosis, and Monitoring of Neurodegenerative Diseases*. 2023.

Awards

National

2025 **SpareBank 1 Sør-Norge Innovation Award**, Recipient of the 2025 Innovation Award — *Stavanger, Norway*

Competitions

International

2019 **Ph.D. Thesis Proposal**, Finalist at ACM Student Research Competition collocated with International Conference on Hardware/Software Codesign and System Synthesis (CODES+ISSS) — *New York, USA*

2018 **ICT for Families (IFs) ,** Project Leader, Italian Semifinals of the Global Social Venture Competition (GSVC) — *Milan, Italy*

National

2019 **BipBip**, Co-Pi, First Place European Social Fund (ESF) – Veneto Region — *Padua, Italy*

2017 **ICT for Families (IFs) ,** Project Leader, Best Social Innovation Project in Italy at National Innovation Award competition — *Naples, Italy*

2017 **ADA**, Co-Pi, Finalist Veneto Start-Cup — *Verona, Italy*

Presentations

IFIP/IEEE International Conference on Very Large Scale Integration-SoC (VLSI-SoC) — *Verona, Italy*

Presenter — *October 2018*

Article: A graph-based approach for mobile localization exploiting real and virtual landmarks
Ph.D Forum: An IoT based Virtual Coaching System (VSC) for Assisting Activities of Daily Life

ACM/IEEE Design, Automation & Test in Europe Conference & Exhibition (DATE) — *Florence, Italy*

Presenter — *March 2019*

Article: An indoor localization system to detect areas causing the freezing of gait in Parkinsonians

ACM/IEEE International Conference on Hardware/Software Codesign and System Synthesis (CODES+ISSS) — *New York, USA*

Presenter — *October 2019*

Ph.D. Forum: An IoT based Virtual Coaching System (VSC) for Assisting Activities of Daily Life
ACM Competition: An IoT based Virtual Coaching System (VSC) for Assisting Activities of Daily Life

IEEE Engineering in Medicine and Biology Society (EMBS) — *Montreal, Canada*

Virtual Presenter — *July 2020*

Article: Joint Distribution and Transitions of Pain and Activity in Critically Ill Patients

ACM/IEEE Design, Automation & Test in Europe Conference & Exhibition (DATE) — *Grenoble, France*

Virtual Presenter — *February 2021*

Article: A low-cost BLE-based distance estimation, occupancy detection and counting system

IEEE INERTIAL — *Hawaii, USA*

Virtual Presenter — *March 2021*

Article: Towards the Automatization of the Data Annotation Phase in Human Activity Recognition Based on Wearable Devices and BLE Beacons

IEEE 7th World Forum on Internet of Things — *New Orleanse, USA*

Virtual Presenter — *June 2021*

Article: Exploiting BLE smart tags for virtual coaching

IEEE 45-th annual Computer Software and Applications Conference (COMPSAC) — *Turin, Italy*

Virtual Presenter — *June 2022*

Article: A freely available system for human activity recognition based on a low-cost body area network

Biennial conference Gruppo Nazionale per il Calcolo Scientifico (GNCS) — *Montecatini Terme, Italy*

Presenter — *June 2022*

Project: A pervasive and low-cost IoT architecture for virtual coaching in Activities of Daily Life

IEEE International Conference on Omni-layer Intelligent Systems (COINS) — *Berlin, DE*

Presenter — *July 2024*

Article: Cnn-based human activity recognition on edge computing devices

ACM/IEEE Design, Automation & Test in Europe Conference & Exhibition (DATE) — *Valencia, Spain*

Presenter — *March 2024*

Article: Environmental Microchanges in WiFi Sensing

IEEE International Conference on Pervasive Computing — *Biarritz, France*

Presenter — *March 2024*

Article: WirelessEye-Seeing over WiFi Made Accessible

IEEE International Conference on Omni-layer Intelligent Systems (COINS) — *London, UK*

Presenter — *August 2024*

Article: An enhanced subject-independent approach for hand-based micro activities recognition

Demo Presentations

Workshop Nazionale per il Trasferimento Tecnologico e l'Alta Formazione (ESSM) — *Verona, Italy*

Presenter — *June 2022*

Demo: Pervasive monitoring through wearable devices in industrial context

Scientific divulgation

Tech Night: Sensor technology, organized by Stavanger Chamber of Commerce — *Stavanger, Norway*

Invited Speaker — *November 8, 2022*

Sensors-based Virtual coaching systems: a university research perspective (link)

Professional forum on safety and sensors — *Stavanger, Norway*

Invited Speaker — *December 7, 2022*

Trends and experiences from sensor development (link)

National competence network for movement disorders, Stavanger University Hospital — *Stavanger, Norway*

Invited Speaker — *April 21, 2023*

The Synergy of Artificial Intelligence of Things (AIoT) and Sensor Technology in Human Activity Recognition for Personalized Healthcare

Invited Speaker

R@ISE Spring Conference — *Limerick, Ireland*

Invited Speaker — *April 25, 2024*

Exploring LCNC Technology for Enhanced WiFi-Sensing in the Human Activity Recognition Context

R@ISE Spring Conference — *Limerick, Ireland*

Invited Speaker — *April 4, 2023*

The Power of Sensors: Recognizing Human Activity in Daily Life

Norwegian Research School in Neuroscience: AI in Neuroscience — *Sirdal, Norway*

Invited Speaker — *August 23, 2023*

The Synergy of Artificial Intelligence of Things (AIoT) and Sensor Technology in Human Activity Recognition (HAR) for Personalized Healthcare

ICIST - International Conference on Information and Software Technologies — *Kaunas, Lithuania*

Keynote Speaker — *October 18, 2024*

The Synergy of Artificial Intelligence of Things (AIoT) and Sensor Technology in Human Activity Recognition (HAR) for Active and Assisted Living (AAL)

Seminars

Research group of Prof. Tiziana Margaria — *Limerick, Ireland*

Invited Speaker — *February 28, 2023*

Systematic Review Preparation Procedure, Sources and Tools

National Competence Service for Movement Disorders (NKB), SuS Hospital — *Stavanger, Norway*

Invited Speaker — *May 12, 2023*

The Synergy of Artificial Intelligence of Things (AIoT) and Sensor Technology in Human Activity Recognition (HAR) for Personalized Healthcare

Department of Mathematics, University of Parma — *Parma, Italy*

Invited Speaker — *December 1, 2023*

The Synergy of Artificial Intelligence of Things (AIoT) and Sensor Technology in Human Activity Recognition (HAR) for Personalized Healthcare

CISD Research Cluster — *Verona, Italy*

Invited Speaker — *December 21, 2023*

Systematic Review Preparation Procedure, Sources and Tools

Istituto Tecnico Industriale Statale G. Marconi (High-school), Verona — *Verona, Italy*

Invited Speaker — *December 22, 2023*

From school to university: My educational path towards a career as a University Professor in Medical Technology

Istituto Tecnico Industriale Statale C. Anti (High-school), Verona — *Verona, Italy*

Invited Speaker — *January 13, 2024*

From school to university: My educational path towards a career as a University Professor in Medical Technology

CRT-AI ML Week — *Limerick, Ireland*

Invited Speaker — *January, 2026*

From Sensing to Understanding: Human Activity Recognition (HAR) For Edge AI Systems

Reviewer

Program Committee Member

2020- Present

IFIP/IEEE Forum on specification & Design Languages, 15 - 17 September 2020, Kiel, Germany
IFIP/IEEE Forum on specification & Design Languages, 8 - 10 September 2021, Antibes, France
IFIP/IEEE Forum on specification & Design Languages, 14 - 16 September 2022, Linz, Austria
SAI Intelligent Systems Conference (IntelliSys), 1-2 September 2022, Amsterdam, Netherlands
IEEE International Conference on Digital Health (ICDH), 2-7 July 2023, Chicago, Illinois, USA
IEEE International Conference on Digital Health (ICDH), 7-13 July 2024, Shenzhen, China
IEEE International Conference on Computers, Software, and Applications (COMPSAC) 2024,
Symposium on Computing Education & Learning Technologies (CELT), 2-4 July 2024, Osaka, Japan
IEEE International Conference on Omni-Layer Intelligent Systems (COINS) 2024, 29-31 July 2024, London, UK
IEEE-EMBS International Conference on Biomedical and Health Informatics (BHI'24), 10-13 November 2024, Houston, Texas, USA

Conference Associate Editor

2023- Present

IEEE-EMBS International Conference on Biomedical and Health Informatics (BHI'23), 15-18 October 2023, Pittsburgh, Pennsylvania, USA

Journal Associate Editor

2024- Present

IEEE Sensors Journal (Intelligent Sensors area)

Reviewer

2020- Present

IEEE Internet of Things Journal (**IoT**), IEEE Transactions on Emerging Topics in Computing (**TETC**), IEEE Transactions on Instrumentation and Measurement (**TIM**), IEEE Access, IEEE Sensors, ACM Transactions on Embedded Computing Systems (**TECS**), MDPI Sensors, MDPI Applied Sciences, MDPI Electronics, MDPI Mathematics, MDPI Healthcare, Elsevier Engineering Applications of Artificial Intelligence (**EAAI**), Pattern Recognition, MDPI International Journal of Environmental Research and Public Health, Emerald Sensors, Frontiers in Physiology, Healthcare Analytics, IT Professional, Ecological Informatics, POLSE ONE, Springer Journal of Supercomputing, Data in Brief, Pervasive and Mobile Computing

Secondary Reviewer

October 2016 - Present

IFIP/IEEE Forum on specification & Design Languages (**FDL**)
ACM/IEEE Design, Automation & Testin Europe Conference & Exhibition (**DATE**)
ACM/IEEE International Conference on Hardware/Software Codesign and System Synthesis (**CODES+ISSS**)
IFIP/IEEE International Conference on Very Large Scale Integration - System on a Chip (**VLSI-SOC**)
IEEE International Conference on VLSI Design and Embedded Systems (**VLSID & ES**)

Committee Bodies Member

March 2024	**Chairman of the hiring committee for the Ph.D. position on AI for Active and Assisted Living (AAL),** Department of Electrical Engineering and Computer Science, University of Stavanger	*Stavanger, Norway*
May 2023	**Member of the hiring committee for the Ph.D. position on Explainable AI (XAI),** Department of Electrical Engineering and Computer Science, University of Stavanger	*Stavanger, Norway*
December 2022	**Member of the hiring committee for the Ph.D. position on Cybernetics,** Department of Electrical Engineering and Computer Science, University of Stavanger	*Stavanger, Norway*
2022-2023	**Member of the Didactic College,** Department of Electrical Engineering and Computer Science, University of Stavanger	*Stavanger, Norway*
2021-2022	**Member of the Didactic College,** Department of Computer Science, University of Verona	*Verona, Italy*
2020-2021	**Member of the Didactic College,** Department of Computer Science, University of Verona	*Verona, Italy*

International Ph.D. Committee Member

September 2025	**Anna Kurbatskaya, Ph.D. Thesis "Trustworthy AI-Based Analysis of Electroencephalographic Data in Clinically Diagnosed Parkinson's Disease",** Department of Electrical Engineering and Computer Science, University of Stavanger	*Stavanger, Norway*
May 2025	**Anisa Sarah, Ph.D. Thesis "Resource Orchestration in 5G-MEC Systems",** Department of Electrical Engineering and Computer Science, University of Stavanger	*Stavanger, Norway*
September 2024	**Prachi Vinod Wadatkar, Ph.D. Thesis "Orchestration in a 5G-MEC Testbed for V2X Applications",** Department of Electrical Engineering and Computer Science, University of Stavanger	*Stavanger, Norway*
January 2023	**Luigi Borzì, Ph.D. Thesis "Wearable sensors and artificial intelligence for monitoring of Parkinson's disease",** Department of Control and Computer Engineering, Politecnico di Torino	*Turin, Italy*
June 2024	**Jessica Sena, Ph.D. Thesis "Intelligent ICU Monitoring: Investigating the Role of Accelerometers",** Universidade Federal de Minas Gerais	*Belo Horizonte, Brasil*
June 2024	**Giorgia Subbicini, Ph.D. Thesis "Efficient Indoor Human Sensing and Continuous Tracking",** Department of Electronics and Telecomunicaiton, Politecnico di Torino	*Turin, Italy*

Organizing Committee Member

2018	**Local Arrangement Committee,** Ph.D. School on Emerging Technologies for Design and Engineering of Electronics Systems (SCHEME), October 5 - 7	*Verona, Italy*
2018	**Web Chair,** IFIP/IEEE International Conference on Very Large Scale Integration-System on a Chip (VLSI-SoC), October 8 - 10	*Verona, Italy*
2018	**Local Arrangement Committee,** IFIP/IEEE International Conference on Very Large Scale Integration-System on a Chip (VLSI-SoC), October 8 - 10	*Verona, Italy*
2018	**Local Arrangement Committee,** ACM/IEEE Design, Automation & Test in Europe Conference & Exhibition (DATE) TPC meeting, October 28 - 29	*Florence, Italy*
2019	**Web Chair,** IFIP/IEEE Forum on specification & Design Languages (FDL), September 2 - 4	*Southampton, United Kingdom*
2020	**Web Chair,** IFIP/IEEE Forum on specification & Design Languages (FDL), September 15 - 17	*Kiel, Germany*
2021	**Web Chair,** IFIP/IEEE Forum on specification & Design Languages (FDL), September 8 - 10	*Antibes, France*
2022	**Guest Editor,** Special Session on Wearable sensors for supporting diagnosis, prognosis, and monitoring of neurodegenerative diseases	*MDPI Electronics*
2023	**Guest Editor,** Special Session on High-Tech Personalized Healthcare in Movement Disorders	*Frontiers in Neurology*
2024	**Publicity Chair,** IEEE International Conference on Digital Health (ICDH), 7-13 July	*Shenzhen, China*
2024	**Publication Chair,** IEEE International Conference on Omni-Layer Intelligent Systems (COINS), 29-31 July	*London, UK*
2024	**Ph.D. Forum Co-Chair,** IFIP/IEEE International Conference on Very Large Scale Integration-System on a Chip (VLSI-SoC), October 6 - 9	*Tanger, Morocco*
2025	**Publication Chair-Track Chair,** IEEE International Conference on Omni-Layer Intelligent Systems (COINS), 4-6 August	*Wisconsin-Medison, USA*
2025	**Guest Editor,** Special Session on Technological Advances for Gait and Balance Assessment	*MDPI Bioengineering*
2026	**Guest Editor,** Special Session on Generative and Agentic IoT Systems for Intelligent Digital Healthcare	*IEEE JBHI*

2024	**Track Chair Sensing Devices and Systems for AIoT**, IEEE International Conference on Omni-Layer Intelligent Systems (COINS), 4-6 August	*Wisconsin-Medison, USA*
2025	**Program Chair**, International Conference on Frontiers of Artificial Intelligence, Ethics, and Multidisciplinary Applications (FAIEMA), 18-19 September	*Stavanger, Norway*
2026	**Track A2 Co-Chair**, Design Automation and Testing in Europe (DATE), 20-22 April	*Verona, Italy*
2026	**General Chair**, 40th ECMS International Conference on Modelling and Simulation (ECMS), 23-26 June	*Grimstad, Norway*
2026	**Program Chair**, IEEE International Conference on Omni-Layer Intelligent Systems (COINS), 7-9 September	*Bologna, Italy*
2026	**Program Chair**, IFIP/IEEE International Conference on Very Large Scale Integration-System on a Chip (VLSI-SoC), 12-14 October	*Limassol, Cyprus*

Community Member

Member	**April 2023 - Ongoing**, IFIP Working Group 10.5 Design and Engineering of Electronic Systems	*IFIP WG 10.5*
Member	**October 2016-Ongoing**, Institute of Electrical and Electronics Engineers	*IEEE*
Member	**January 2016 - January 2023**, Gruppo Nazionale per il Calcolo Scientifico	*GNCS*
Chapter Treasurer	**December 2024-Ongoing**, IEEE Signal Processing Society, Norway Chapter	*IEEE*

Proposal Writing

I have been regularly involved in writing proposals to different funding agencies, e.g., to the Italian Ministry of Education, University and Research (MIUR), the Veneto region European Social Funds (FSE), the Michael J. Fox Foundation (MJFF) for Parkinson's Research, Brain Foundation, CariVerona Foundation, to private companies and other funding institutions.

Moreover, currently, my Norwegian Research Council Researcher Project for Young Research Talents (FRIPRO)-"*Smart Monitoring for Parkinson's Therapy: An Internet of Medical Things (IoMT) Approach*" is under review process. Total requested funding: 14145000 Nok (1.3 million Euro).

Received research grants

70000 Nok from the University of Stavanger concerning the hiring of a research assistant. — *Norway*

UiS Research Assistant — *July 2023-December 2023*

10000 Euros from AWS Fellowship, University of Limerick, Dept. of Computer Science and Information Systems, Limerick — *Ireland*

AWS Fellowship. — *January 2023-March 2023*

12000 Euros from the Internationalization program TU Chemnitz, Faculty of Computer Science — *Germany*

Funding for Post-Doc visiting researcher. Project: Human Activity Recognition (HAR) based on radio signal propagation pattern — *October 2021-March 2022*

1500 Euros from the National Group for Scientific Calculation (GNCS) — *Italy*

Funding for Young Researchers 2020 - 2021 — *2020-2021*

1000 Dollars from ACM SIGBED Student Research Competition at ESWEEK 2019 — *New York, USA*

Travel Grant for the Ph.D. thesis "An IoT based Virtual Coaching for Assisting Activities of Daily Life" — *October 2019*

6000 Euros from the Internationalization program of University of Verona, Italy — *Italy*

Funding for Ph.D. Visiting period at University of Florida, Gainesville, USA — *August-December 2019*

Referees

Tiziana Margaria	Full Professor, Department of Computer Science and Information Systems, University of Limerick, tiziana.margaria@ul.ie
Graziano Pravadelli	PhD Supervisor, Full Professor, Department of Computer Science at University of Verona, graziano.pravadelli@univr.it
Samarjit Chakraborty	William R. Kenan, Jr. Distinguished Professor Department of Computer Science UNC Chapel Hill, USA, samarjit@cs.unc.edu
Stefano Tamburin	Associate Professor, Department of Neurosciences, Biomedicine and Movement at University of Verona, stefano.tamburin@univr.it
Parisa Rashidi	Associate Professor, Department of Biomedical Engineering (BME) at University of Florida, parisa.rashidi@ufl.edu
Alejandro Masrur	Associate Professor, Faculty of Computer Science, TU Chemnitz, a.masrur@cs.tu-chemnitz.de
Federico Fraccaroli	Esq, Founder and President of Wagoo LLC, Texas, USA, federico.fraccaroli@thewagoo.com
Other	Additional referees are available upon request

Projects

Smart Objects for Smart Care. *Seed Funding*

Research Activity: PI *2023-2024*

Funding organization: Helse Campus Stavanger.
Achieved contribution: 250 000 Nok

SmartGlasses for Parkinson's Disease. *Seed Funding*

Research Activity: PI *2023-2024*

Funding organization: Helse Campus Stavanger.
Achieved contribution: 150 000 Nok

Smart Objects for Smart Care. *FORNY commercialization project*

Research Activity: PI *2023-2024*

Funding organization: Norwegian Research Council.
Achieved contribution: 500 000 Nok

ADA: An IoT-based virtual coaching platform for assisting daily life activities of ageing persons with Down syndrome. *Joint project*

Research Activity: Co-PI *2017-2019*

Funding organization: Piccola Fraternità Onlus (Verona), University of Verona.
Achieved contribution: € 36200

Bip-Bip: a wearable smart system to prevent freezing of gait in people affected by Parkinson's disease. *FSE-Veneto Region*

Research Activity: Co-PI *2018-2019*

Funding organization: European Social Found-Veneto Region
Achieved contribution: € 75500

Smart-Pump: Intelligent assistive system to regulate the continuous administration of drugs in Parkinson's patients. *FSE-Veneto Region*

Research Activity: Co-PI *2020-2021*

Funding organization: European Social Found-Veneto Region
Achieved contribution: € 47100

BioFeedback: Study and development of customizable training courses aimed at improving postural quality through parameters suitable for pre-adolescents. *FSE-Veneto Region*

Research Activity: Co-PI *2020-2021*

Funding organization: European Social Found-Veneto Region
Achieved contribution: € 35000

An IoT infrastructure for monitoring motor fluctuations in Parkinson's disease. *Verona Brain Foundation*

Research Activity: Co-PI *2021-2022*

Funding organization: Brain Research Foundation Verona O.N.L.U.S.
Achieved contribution: € 20000

Radio Signal-Based Activity Recognition and Movement Analysis for Parkinson's Disease. *Technische Universität Chemnitz*

Research Activity: PI *2021-2022*

Internationalisation program Technische Universität Chemnitz, Germany.
Achieved contribution: € 12000

Language Skills

Albanian Native/Bilingual Proficiency
Italian Native/Bilingual Proficiency
English Professional Proficiency
Spanish Limited Working Proficiency
Norsk Limited Proficiency

	Understanding		Speaking		Writing
	Listening	Reading	Spoken Interaction	Spoken Production	
English	C2	C2	C1	C1	C1
Spanish	B2	B1	A2	A2	A1
Norwegian	A1	A1	A1	A1	A1

Extracurricular Activity

ICT for Families (IF's) Innovative Startup *Verona, Italy*
PROJECT LEADER *July 2017 - PRESENT*
Winner of the Best Social Innovation Project at PNI Italy 2017

Wagoo Italia s.r.l.s *Verona, Italy*
CTO *July 2017 - ongoing*
Moramma Project (webpage)

Mentoring activities at the University of Stavanger, Norway

Supervised Two (4) M.S. Degree Students in Computer Science working on a thesis (or/and stage) project for at least 400 hours.
Supervised Nine (17) B.S. Degree Students in Computer Science and Engineering working on a thesis (or/and stage) project for at least 150 hours.
Supervised One (1) Scholarship Holder working on average for six months on a specific project.
Supervised One (1) Ph.D. Student.
Detailed Info on my web page

Mentoring activities at the University of Verona, Italy

Co-Supervised Ten (10) M.S. Degree Students in Computer Science working on a thesis (or/and stage) project for at least 400 hours.
Co-Supervised Thirty-six (36) B.S. Degree Students in Computer Science and Engineering working on a thesis (or/and stage) project for at least 150 hours.
Co-Supervised Four (4) Scholarship Holders working in average for two years on a specific project.
Co-Supervised Two (3) Ph.D. Student.
Detailed Info on my web page

Software Skills

Operating Systems Linux (Debian/Ubuntu/RedHat) Distributions, Windows
Tools Microsoft Office, Libre Office, Visual Studio, Git
Programming Python, C, C++, C#, JAVA, Matlab, HDL Languages, BASH, PHP, SQL, LaTeX
Markup Languages HTML, XHTML, CSS
Work Examples CISD Website, FDL Website, VLSI-SoC Website, SCHEME Website

I authorize the handling of my personal data according to the Personal Data Protection Code - Legislative Decree n. 196/03.

Approved: _____

Electrical Engineering and Computer Science Department,
University of Stavanger, Norway
April 10, 2026