



Igor Matias

PH.D. CANDIDATE · MASTER OF COMPUTER SCIENCE AND ENGINEERING

University of Geneva, Switzerland

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“Don’t go through life, grow through life.” - Eric Butterworth

Research Profile

Ph.D. Candidate in Information Systems at the University of Geneva, working at the intersection of digital health, machine learning, and longitudinal behavioral data. My research develops digital biomarkers of cognitive and affective functioning (brain health) using everyday technologies (wearable and smartphone data), through the Providemus alz project, with applications in early detection of brain health decline.

My work has already been published in venues such as *npj Digital Medicine*, *Statistics in Medicine*, and *JMIR AI*, and involves international collaborations across three continents. I have been invited to deliver several talks and organize workshops on digital health worldwide, and my work has received sustained visibility in the media, including television and press.

Key Contributions

- Recipient of the 2026 Vontobel Prize for Research on Age(ing), by the UZH Healthy Longevity Center and the Vontobel Foundation
- Led a large-scale two-year longitudinal study combining wearable and cognitive data for brain health prediction
- First-author of two publications in *npj Digital Medicine* on passive digital biomarkers and Alzheimer’s screening technology
- Led technology components in €2.9M+ international research funding (SNSF/THCS, Horizon Europe)
- Developed multi-timescale Machine Learning models for personalized prediction of cognitive trajectories

Selected Publications

PEER-REVIEWED JOURNAL ARTICLES

- | | |
|------|--|
| 2026 | Digital biomarkers for brain health: passive and continuous assessment from wearable sensors
Igor Matias , Maximilian Haas, Eric J. Daza, Matthias Kliegel, Katarzyna Wac
<i>npj Digital Medicine</i> |
| 2026 | Passive Digital Health Technologies for Alzheimer’s Disease Screening and Diagnosis A Systematic Review
Igor Matias , Pawel Prociów, Eric J. Daza, Matthias Kliegel, Katarzyna Wac
<i>npj Digital Medicine</i> |
| 2026 | AI-Powered Framework for Personalized Prescription of Physical Activity in Aging: Proposing PEPHA, a framework for Personalized Phenotyping for Aging
Igor Matias , Melanie Mack, Matthias Kliegel, Katarzyna Wac
<i>JMIR AI</i> |
| 2025 | Model-Twin Randomization (MoTR) for Estimating the Recurring Individual Treatment Effect
Eric J. Daza, Igor Matias , Logan Schneider
<i>Statistics in Medicine</i> |

Publications

PEER-REVIEWED JOURNAL ARTICLES

- 2026 **Use of AI within COA linguistic validation and eCOA migration processes: analysis and good practice recommendations**
Shawn McKown, Benjamin Arnold, Frederique Boucher, Helena Correia, Sonya Eremenco, Tomislav Gersic, Melinda Johnson, Andriana Koumbarou, **Igor Matias**, Emily Parks-Vernizzi, Tim Poepel, Jiyoung Son, Erin Strouse, C. B. Terwee, Mark Wade
Journal of Patient-Reported Outcomes
- 2022 **What possibly affects nighttime heart rate? Conclusions from N-of-1 observational data**
Igor Matias, Eric J Daza, Katarzyna Wac
Digital Health
- 2021 **Prediction of Atrial Fibrillation using artificial intelligence on Electrocardiograms: A systematic review**
Igor Matias, Nuno Garcia, Sandeep Pirbhulal, Virginie Felizardo, Nuno Pombo, Henriques Zacarias, Miguel Sousa, Eftim Zdravetski
Computer Science Review

CONFERENCE PROCEEDINGS ARTICLES

- 2025 **Daily Behavioral and Environmental Factors Association with Affective States and Quality of Life**
Maïssa Bouneb, **Igor Matias**, Katarzyna Wac
PervasiveHealth 2025
- 2025 **Use of personal mobile technologies for peer-based assessment of stress: a systematic literature review**
Antoine Bellanger, **Igor Matias**, Katarzyna Wac
EAI MobiCASE 2024
- 2024 **Providemus alz: Ubiquitous screening of Preclinical Alzheimer's Disease with consumer-grade Technologies**
Igor Matias, Matthias Kliegel, Katarzyna Wac
Companion of the ACM International Joint Conference on Pervasive and Ubiquitous Computing (UBICOMP)
- 2024 **You Are Not You When You Are Tired: The Effects of Ego Depletion on Stress Levels Reporting**
Antoine Bellanger, **Igor Matias**, Allan Berrocal, Katarzyna Wac
PervasiveHealth 2024
- 2024 **Modelling Users for User Modelling: Dynamic Personas for Improved Personalisation in Digital Behaviour Change**
Igor Matias, Farhat -ul-Ain, Darina Akhmetzyanova, Vladimir Tomberg
ACM Conference on User Modeling, Adaptation and Personalization (UMAP)
- 2024 **Behaviour Models-Enriched User Personas for Digital Behaviour Change Interventions**
Farhat -ul-Ain, Darina Akhmetzyanova, **Igor Matias**, Vladimir Tomberg
International Conference on Pervasive Technologies Related to Assistive Environments (PETRA)
- 2022 **Dejà vu: Recurrent Neural Networks for health wearables data forecast**
Igor Matias, Katarzyna Wac
IEEE International Conference on Machine Learning and Applications (ICMLA)
- 2022 **Behavioral Data Categorization for Transformers-based Models in Digital Health**
Clairton Siebra, **Igor Matias**, Katarzyna Wac
IEEE International Conference on Biomedical and Health Informatics (BHI-BSN)
- 2018 **Scaffolding students on connecting STEM and interaction design: Case study in Tallinn University Summer School**
Igor Matias, Nuno Pombo, Nuno Garcia, David Lamas, Vladimir Tomberg
IEEE Global Engineering Education Conference (EDUCON)
- 2018 **Towards a Fully Automated Bracelet for Health Emergency Solution**
Igor Matias, Nuno Pombo, Nuno M Garcia
International Conference on Internet of Things, Big Data and Security (IoTBDs)

PREPRINTS

- 2026 **Representation Matters in Longitudinal Affective Computing**
Igor Matias, Maximilian Haas, Eric J. Daza, Matthias Kliegel, Katarzyna Wac
arXiv

THESIS

2020 **ECG based Prediction Model for Cardiac-Related Diseases using Machine Learning Techniques**
Igor Matias
Universidade da Beira Interior

CONFERENCE POSTERS

2026 **Brain Health in Everyday Life: Predicting and forecasting Cognitive and Affective changes from passive digital data**
Igor Matias, Matthias Kliegel, Katarzyna Wac
Geneva Aging Series XIV

2024 **Early detection of Alzheimer's disease using digital biomarkers: insights from the Providemus alz project**
Igor Matias, Matthias Kliegel, Katarzyna Wac
Biomarkers of Aging Conference

2024 **Assessing Cognitive Performance fluctuations using passive continuous Wearable Data**
Igor Matias, Matthias Kliegel, Katarzyna Wac
Geneva Aging Series XII

2024 **Providemus alz: Paving the way towards a ubiquitous and passive screening of Alzheimer's disease**
Igor Matias, Matthias Kliegel, Katarzyna Wac
Annual Conference of the Alzheimer's Disease International (ADI)

2022 **Physical Activity may affect Sleep unexpectedly. Results from small data**
Igor Matias, Eric J Daza, Alexandre De Masi, Katarzyna Wac
Annual Conference of the International Society for Quality of Life Research (ISOQOL)

2022 **Providemus alz: Giving you the power to foresee Alzheimer's disease effortlessly**
Igor Matias, Matthias Kliegel, Katarzyna Wac
Data Science Day of the University of Geneva

2022 **Fighting Alzheimer's Disease Effortlessly**
Igor Matias, Matthias Kliegel, Katarzyna Wac
Winter School of the Conférence Universitaire de Suisse Occidentale (CUSO)

Education

Université de Genève

Geneva, Switzerland

PH.D. IN INFORMATION SYSTEMS

Jan. 2021 - Nov. 2026

- Focusing on the development of digital biomarkers for cognitive performance fluctuations, with future brain disease early screening applications. Providemus alz project.

Universidade da Beira Interior

Covilhã, Portugal

M. SC. IN COMPUTER SCIENCE AND ENGINEERING

Sep. 2018 - Jul. 2020

- With the resulting thesis titled "ECG based Prediction Model for Cardiac-Related Diseases using Machine Learning Techniques" graded with 19/20 in the final public defense with jury.

Universidade da Beira Interior

Covilhã, Portugal

B. SC. IN COMPUTER SCIENCE AND ENGINEERING

Sep. 2014 - Jul. 2018

- With the final project titled "Intelligent Health Monitoring Bracelet" graded 18/20 in the public defense with a jury.

Awards

2026 **Vontobel Award for Research on Age(ing)**, UZH Healthy Longevity Center and Vontobel Foundation *Switzerland*

2026 **Early Career Travel Award**, American Statistical Association *USA*

2024 **Medal of Merit**, Municipality of Fundão *Portugal*

2023 **Certificate of Appreciation**, IEEE Region 8 and IEEE Malta Section *Malta*

2022 **Outstanding YP Member Award**, IEEE Portugal Section *Portugal*

2017 **3rd place**, ICT ENTREPRENEUR Entrepreneurship Academy and Business Competition *Cyprus*

Languages

Native	Portuguese
C2	English
C1	French
B2	Spanish

Teaching Experience

Mobile Systems and Services

Geneva, Switzerland

TEACHING ASSISTANT AT THE UNIVERSITÈ DE GENÈVE

2024 - now

- Teaching the steps from brainstorming until the final mobile prototype of a solution designed to solve a predefined daily-life problem. Guiding the students during the seminar classes.

Algorithmics and Data Management

Geneva, Switzerland

TEACHING ASSISTANT AT THE UNIVERSITÈ DE GENÈVE

2023 - now

- Teaching algorithm fundamentals in Python.

Executive MBA - Business Analytics

Geneva, Switzerland

TEACHING ASSISTANT AT THE UNIVERSITÈ DE GENÈVE

2023

- Executive Master of Business Administration. Teaching methods for the estimation of causality from intensive longitudinal data. Guiding the students on when, how, and why to get meaning from in-business collected data.

Services: from concept to market

Geneva, Switzerland

TEACHING ASSISTANT AT THE UNIVERSITÈ DE GENÈVE

2022 - now

- Teaching the steps from brainstorming until the physical prototype of a solution designed to solve a predefined daily-life problem. Guiding the students during the seminar classes.

Advanced Database Development

Geneva, Switzerland

TEACHING ASSISTANT AT THE UNIVERSITÈ DE GENÈVE

2021 - 2023

- Teaching about data cleaning, processing, and analyzing techniques applied to big datasets collected with connected devices. Guiding the students during the seminar classes.

Introduction to computer basics, Microsoft Office, and advanced networks

Cumura, Guinea-Bissau

TEACHER AT THE ESCOLA UNIFICADA DOM SETTIMIO ARTURO FERRAZZETTA

2017-2019

- Volunteer teaching of basic computer usage skills (beginner and intermediate level), introduction to Microsoft Office tools (beginner to advanced level), and advanced computer network management. Teaching school professors and technicians.

Summer School "Experimental Interaction Design"

Tallinn, Estonia

TEACHER AT THE TALLINN UNIVERSITY

2016

- Teaching about fast ways to prototype technology-based Ambient Assisted Living solutions. Guiding the students during a full week course on C coding, debugging, Arduino assembly, and soldering skills.

CodeWeek EU-UBI "Ignite Your Code"

Covilhã, Portugal

TEACHER AT THE UNIVERSIDADE DA BEIRA INTERIOR

2016

- Teaching about project planning, prototyping, C coding, debugging, and Arduino assembly. Guiding the students during a half-day course on Arduino assembly and coding.

Research Funding and Grants

2026-29

ENHANCE-CSVD: Early iNtervention for Brain Health And Mobility in Cerebral Small Vessel Diseases through Integrated Primary Care

Total budget: €2,991,084; QoL Lab share: €477,369. | Grant ID: THCS2025-187 / SNSF-10TS1-_235536. Role: Contributed to the successful grant proposal; led the technology component.

THCS | SNSF

Workshops Organized

Pervasive Digital Health: The Road to Truly Personalized Healthcare

Potsdam, Germany

HASSO-PLATTNER INSTITUTE'S DIGITAL HEALTH INNOVATION FORUM 2025

Mar. 2025

Navigating Digital Health Technologies: From Data Collection to Analysis

Cologne, Germany

ISOQOL ANNUAL CONFERENCE 2024

Oct. 2024

Open Data Repositories

Stress reports (patient and peer/proxy), application usage, touches buffered and user activity collected with a Smartphone

[HTTPS://DOI.ORG/10/GT37W9](https://doi.org/10/gt37w9)

CC BY 4.0

Jul. 2024

Physical Activity, Heart Rate, and Sleep data collected with a Smartwatch (N=12)

[HTTPS://DOI.ORG/10/GQZVPP](https://doi.org/10/gqzvpp)

CC BY 4.0

Oct. 2022

Open Source Code

PEPHA (Personalized Phenotyping for Aging)

[HTTPS://GITLAB.UNIGE.CH/QOL/PEPHA](https://gitlab.unige.ch/qol/pepha)

GPL v3

Sep. 2026

Model-Twin Randomization 1st Python implementation

[HTTPS://GITLAB.UNIGE.CH/QOL/MOTR-PYTHON](https://gitlab.unige.ch/qol/motr-python)

GPL v3

Aug. 2022

Tutoring

MASTER'S DEGREE

2022-23 **Use of Personal Mobile Technologies for Peer-based Assessment of Stress**

Antoine Bellanger

BACHELOR'S DEGREE

2024-25 **Daily Behavioral and Environmental Factors Association with Affective States and Quality of Life**

Maïssa Bounieb

Invited Talks and Scientific Presentations

What the body whispers: forecasting brain health trajectories from everyday smartwatch data

JOINT STATISTICAL MEETINGS

Boston, USA

Aug. 2026

What the body whispers: the future of brain health through everyday signals

MEDICA AI 2026, CHAMPALIMAUD FOUNDATION

Lisbon, Portugal

Jul. 2026

Passive physiological and environmental predictors of prospective memory: machine learning analysis of longitudinal data

INTERNATIONAL CONFERENCE ON PROSPECTIVE MEMORY

Heidelberg, Germany

Jul. 2026

From wearables to warnables: Rethinking mental health monitoring at scale

GENEVA AGING SERIES XIII

Morges, Switzerland

Sep. 2025

Show me no more! Forecasting affective state and cognition using ubiquitous wearable technology

LIVES DAY

Lausanne, Switzerland

Jun. 2025

Light at the end of the copper wire: a tentative clarification of TechOs, TechROs, Digital COAs, and Digital Biomarkers

ISOQOL ANNUAL CONFERENCE 2023

Calgary, Alberta, Canada

Oct. 2023

Data overdose: side effects and metabolism of big data in the 21st century

THE UNIVERSITY OF OKLAHOMA HEALTH SCIENCES CENTER'S SESSION "AI AND BIG DATA IN HEALTHCARE"

Oklahoma City, USA

Feb. 2023

Technology: your body's seismometer

UNIGE'S DATA SCIENCE DAY ROUND TABLE "BEYOND SDGs: MEASURING AND FORECASTING FOR TAKING ACTION"

Geneva, Switzerland

Aug. 2021

Co-calibrating Short Term, Mixed-Methods Based Momentary Assessments for Physical and Psychological Outcomes with Long Term Quality of Life Outcomes in Older Adults: An Evaluation of the coQoL Method

SOCIETY FOR AMBULATORY ASSESSMENT CONFERENCE

Zurich, Switzerland

Jul. 2021

"Know You (Self) Better": N-of-1 Based Self-Examination Using Wearables And Self-Reported Behaviors For An Improved Well-Being

DATA SCIENCE CLINICS

Geneva, Switzerland

Apr. 2021

Media and Public Engagement

Jovens com Atitude: Igor Matias

NATIONAL GEOGRAPHIC PORTUGAL

Portugal

Oct. 2026

La montre connectée informe sur l'état de santé cérébrale

JE JOURNAL DE L'UNIGE

Switzerland

Mar. 2026

Estudo de cientista português usa IA para detetar de forma precoce declínio cognitivo

SIC AND SIC NOTÍCIAS

Portugal

Jan. 2026

O investigador fundanense que tenta antecipar-se à Alzheimer

JORNAL DO FUNDÃO

Portugal

Aug. 2024

Detetar Alzheimer vinte anos antes dos primeiros sinais

SIC AND SIC NOTÍCIAS

Portugal

Mar. 2024

Inteligência artificial: "A moeda de duas faces"

FARMACÉUTICO NEWS

Portugal

Nov. 2023

O ChatGPT tomou de assalto a sociedade em quatro meses

NEWSPAPER SOL AND JORNAL I

Portugal

Apr. 2023

General Public Talks

Quando o Corpo Fala Primeiro: Prever alterações cognitivas e emocionais com Inteligência Artificial e Tecnologia do Quotidiano

CLOSING EVENT OF THE IBERIAN PROJECT "HORIZONTES PARTILHADOS"

Guarda, Portugal

Jul. 2025

Inteligência Artificial e o Dia a Dia: No caminho para o pré-diagnóstico da doença de Alzheimer

FEIRA DA SAÚDE E SOCIAL

Rapoula, Portugal

May 2025

Less pAI n more gAI n: LLMs and NLP to the rescue of a Ph.D. student

CUSO PSYCHOLOGY PH.D. STUDENTS DAYS

Fribourg, Switzerland

Nov. 2024

Terapia do futuro: o Psicólogo Onnipresente?

X CICLO DE SAÚDE MENTAL DO FUNDÃO

Fundão, Portugal

Oct. 2024

Spes Libertatis invited guest

MAIS LIBERDADE YOUTUBE CHANNEL

Portugal

Feb. 2024

Coding for a Cure: How AI is and will be unraveling the mysteries of Onco-Hematology

HEMEXCHANGE BY TAKEDA

Coimbra, Portugal

Jan. 2024

Artificial Intelligence in the digital transition

KICK-OFF OF THE DIH 4 GLOBAL AUTOMOTIVE PROJECT

Matosinhos, Portugal

Jan. 2024

Development of Artificial Intelligence around the world: potential and challenges

XVI NATIONAL CONGRESS OF THE PORTUGUESE ASSOCIATION OF HOSPITAL PHARMACISTS

Porto, Portugal

Nov. 2023

Digital Health: Health Technology and Artificial Intelligence

B-TECH CONGRESS - III CONGRESS OF TECHNOLOGICAL RESEARCH IN BUSINESS

Vitória, Espírito Santo, Brazil

Nov. 2023

O ChatGPT tomou de assalto a sociedade em quatro meses

INSTITUTO POLITÉCNICO DA GUARDA

Guarda, Portugal

May. 2023

Experience

Université de Genève

TEACHING ASSISTANT

Geneva, Switzerland

Jan. 2021 - now

- Teaching B.Sc., M.Sc., and MBA courses. Assisting in research tasks within the QoL Lab and others.

Natura IMB Hotels

BACKEND ENGINEER AND DEVELOPER

Covilhã, Portugal

May. 2018 - Dec. 2020

- Engineer and developer of an innovative indoor-person tracking solution applied to sports activities inside a sports hotel, working with mobile apps, RFID technology, and microsenors.

Human Subjects' Protocols Clearance

Assessing Cognitive Performance Fluctuations with Personal Technologies in Different Contexts of Daily Life: A Feasibility Study

AUTHORIZATION BY THE COMMISSION CANTONALE D'ÉTHIQUE DE LA RECHERCHE (CCER), SWITZERLAND

Switzerland and France

2023

- Protocol CCER 2023-00975

mQoL-Lab: Studying the Subjective and Objective Momentary as well as Longitudinal Perception of Quality of Life in Different Contexts of Daily Life

AUTHORIZATION BY CONSEIL D'ÉTAT GENEVE (ART. 41 DE LA LIPAD) AND ACCEPTED BY THE ETHICS REVIEW BOARD OF THE

Switzerland and European Union

UNIVERSITY OF GENEVA (CUREG), SWITZERLAND

2021

- Protocol CUREG 2020-06-13

Certifications

Human Rights and the Artificial Intelligence GLOBAL DIGITAL HUMAN RIGHTS NETWORK	Jul. 2023
Introduction to Quality of Life and Patient-Reported Outcomes INTERNATIONAL SOCIETY FOR QUALITY OF LIFE RESEARCH	Oct. 2022
Effective Grant Development and Writing CONFERENCE UNIVERSITAIRE DE SUISSE OCCIDENTALE	Mar. 2022
Presentation Skills CONFERENCE UNIVERSITAIRE DE SUISSE OCCIDENTALE	Mar. 2022
Legal aspects of research data UNIVERSITÉ DE GENÈVE	Jan. 2022
Managing research data as a junior scientist UNIVERSITÉ DE GENÈVE	Nov. 2021
Social and professional interaction in English CONFERENCE UNIVERSITAIRE DE SUISSE OCCIDENTALE	Nov. 2021
English writing structure CONFERENCE UNIVERSITAIRE DE SUISSE OCCIDENTALE	Oct. 2021
Media strategy for professional purposes UNIVERSITÉ DE GENÈVE	Oct. 2021
Social networks, collaborative platforms and digital profiling UNIVERSITÉ DE GENÈVE	Oct. 2021
Informed Consent TRAINING AND RESOURCES IN RESEARCH ETHICS EVALUATION	Mar. 2021
Introduction to Research Ethics TRAINING AND RESOURCES IN RESEARCH ETHICS EVALUATION	Mar. 2021
Research Ethics Evaluation TRAINING AND RESOURCES IN RESEARCH ETHICS EVALUATION	Mar. 2021
Swiss National Supplement TRAINING AND RESOURCES IN RESEARCH ETHICS EVALUATION	Mar. 2021
CCNA 1 Introduction to Networks CISCO CISCO	Nov. 2017
English language - industrial relations INSTITUTO DO EMPREGO E FORMAÇÃO PROFISSIONAL	Jan. 2016

Extracurricular Activities

Membership Development Officer IEEE PORTUGAL SECTION	<i>Portugal</i> 2024 - now
Enhancing engagement, retention, and showcasing the benefits of IEEE membership to the Portuguese section members.	
Vice-Chair IEEE REGION 8 AdHOC COMMITTEE ON EDUCATIONAL INFRASTRUCTURE	<i>Europe, Middle East, and Africa</i> 2023 - 2024
Educational Activities Coordinator IEEE PORTUGAL SECTION	<i>Portugal</i> 2022 - 2023
Leading the organization of a series of online seminars focusing on most of the fields of IEEE.	
Corresponding Member IEEE REGION 8 PROFESSIONAL AND EDUCATIONAL ACTIVITIES COMMITTEE	<i>Europe, Middle East, and Africa</i> 2022
Gave major contributions to the organization of a Region 8 Robot Championship and an engineering educational content promotion program, and on the reorganization of the committee website.	
Professional and Educational Activities Coordinator IEEE PORTUGAL SECTION	<i>Portugal</i> 2020 - 2021
Led the organization of a series of online seminars focusing on most of the fields of IEEE.	

Volunteer

PROJETO QUERER E FAZER

Guinea-Bissau

2017 - 2020

- Project started in the 20th century and focused on humanitarian aid in several areas where health and education are a priority in countries of the African Continent.

Chief Technology Officer

STAR JUNIOR ENTERPRISE

Fundão, Portugal

2020

- The first Junior Enterprise in the Portuguese Center region countryside.

Software and Web Engineer

COVID-19 O QUE ESTA ABERTO?

Beira Interior, Portugal

2020

- Online free platform displaying a map with the establishments open during the pandemic in Portugal.

Chair

IEEE UNIVERSIDADE DA BEIRA INTERIOR STUDENT BRANCH

Covilhã, Portugal

2018 - 2019

- Launched and chaired two international symposiums during this period.

Vice President

ASSOCIAÇÃO ACADEMICA DA UNIVERSIDADE DA BEIRA INTERIOR

Covilhã, Portugal

2019

- The most active Students Union in the Center countryside of Portugal.

Chair

GOOGLE DEVELOPERS GROUP COVILHÃ

Covilhã, Portugal

2018 - 2020

- One of the first Google Developers Groups in Portugal.

Vice President

NUCLEO DE INFORMATICA DA UNIVERSIDADE DA BEIRA INTERIOR

Covilhã, Portugal

2018

- The oldest academic association of the Universidade da Beira Interior.

Volunteer Firefighter

ASSOCIAÇÃO HUMANITARIA DE BOMBEIROS VOLUNTARIOS DO FUNDÃO

Fundão, Portugal

2010 - 2016

- Reserve firefighter since 2017.

Membership

2016+	IEEE , Institute of Electrical and Electronics Engineers	World
2021+	QoL Lab , Quality of Life Technologies Lab	Switzerland
2024+	LIVES , Swiss Centre of Expertise in Life Course Research	Switzerland
2024+	ACM , Association for Computing Machinery	World
2024+	SACAD , Société Académique de Genève	Switzerland
2026+	ASA , American Statistical Association	World
2022-25	ISOQOL , International Society for Quality of Life Research	World
2017-20	CIDB , Centro de Investigação e Desenvolvimento da Beira	Portugal

Service

2026	Article Reviewer , Nature Digital Medicine
2025	Article Reviewer , ACM CHI
2024	Abstract Reviewer , ISOQOL
2024	Publicity Chair , IEEE MELECON
2023	Article reviewer , Journal of Alzheimer's Disease
2023	Article reviewer , IEEE ICMLA
2023	Article reviewer , IEEE BHI
2023	Workshop and Symposium reviewer , ISOQOL
2022	Article reviewer , IEEE BHI-BSN
2020	Article reviewer , IEEE Access
2019	Chair , "UBIsym on Robotics and Vehicular Technologies" IEEE international symposium
2018	Chair , "UBIsym in Healthcare Engineering" IEEE international symposium
2017	Article reviewer , IEEE EDUCON

Skills

Programming	Assembly, C, Dart, JAVA, PHP, Python, SQL
Front-end	CSS, HTML
Digital edition	Blender, Illustrator, InDesign, LaTeX, Photoshop