

# GARIBOTTO CHIARA

## Overview

- ? Unit: ICT
- ? Role: Ricercatore
- ? Grade: Ricercatore t.d. art. 24 c. 3 lett. A Legge 240/10 (t.pieno)
- ? SSD: IINF-03/A (Telecomunicazioni)
- ? Scopus ID: 57053502600
- ? Unige Id: 279860
- ? Retrieved at: 2025-11-14T15:17:21.681843

## Contact

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- ? Page: <https://rubrica.unige.it/personale/V0ROU1xp>
- ? Locations: Opera Pia - padiglione E (ED161450402), 3° piano, US161450402.III.018

## Career

- ? Dr, 2015-11-01 ? 2018-10-31
- ? Cb, 2018-04-17 ? 2018-05-25
- ? Ar, 2018-12-03 ? 2022-05-31
- ? Rd, 2022-06-01 ? 2028-05-31

## Teaching

### 2025

- ? Telecommunication (101146), L-28 - Maritime Science And Technology
- ? Yacht Navigation Support Systems (66396), Lm-34 - Yacht Design

### 2024

- ? Yacht Navigation Support Systems (66396), Lm-34 - Yacht Design
- ? Internet Technologies And Machine Learning For Transport And Logistics (90453), Lm-26 - Safety Engineering For Transport, Logistics And Production
- ? Telecommunication (101146), L-28 - Maritime Science And Technology
- ? Telemedicine (119567), Medical Technology And Digital Health (Medtech)

### 2023

- ? Yacht Navigation Support Systems (66396), Lm-34 - Yacht Design

## Scopus Metrics

- ? absolute; Docs: 56; Journals: 29; Conferences: 26; Citations: 860; H-index: 14
- ? 15 years (2010-2025); Docs: 56; Journals: 29; Conferences: 26; Citations: 860; H-index: 14
- ? 10 years (2015-2025); Docs: 56; Journals: 29; Conferences: 26; Citations: 860; H-index: 14
- ? 05 years (2020-2025); Docs: 39; Journals: 20; Conferences: 18; Citations: 347; H-index: 9

## Scopus Products

### 1.

- ? Title: AI-Enabled Internet of Medical Things: Architectural Framework and Case Studies
- ? Venue: IEEE Internet of Things Magazine
- ? Year: 2025
- ? Type: Journal
- ? Subtype: Article

? Citations: 1  
? Doi: 10.1109/Iotm.001.2400150  
? Scopus ID: 2-s2.0-85219522724  
? Issn: 25763180  
? eISSN: 25763199  
? Volume: 8  
? Issue: 2  
? Pages: 121-128  
? Authors: Bisio Igor; Fallani Caterina; Garibotto Chiara; Haleem Halar; Lavagetto Fabio; Hamedani Mehrnaz; Schenone Angelo; Sciarrone Andrea; Zerbino Matteo  
? Quartile:  
2025:  
? Computer Networks and Communications (Q1, rank 81, percentile 85)  
? Software (Q1, rank 81, percentile 83)  
? Computer Science Applications (Q1, rank 158, percentile 83)  
? Information Systems (Q1, rank 84, percentile 83)  
? Hardware and Architecture (Q1, rank 41, percentile 82)  
? Source Id: 21101224376  
? Author Ids: 8546192900;59226255200;57053502600;57223037986;7004136693;57219039113;22836045400;36180166900;58734922800  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153-129430806;60025153  
? Corresponding: Bisio I.

2.  
? Title: CrowdWatch: Privacy-Preserving Monitoring Leveraging WiFi Multiple Access Information  
? Venue: IEEE Internet of Things Journal  
? Year: 2025  
? Type: Journal  
? Subtype: Article  
? Citations: 2  
? Doi: 10.1109/Jiot.2025.3528226  
? Scopus ID: 2-s2.0-85215546457  
? eISSN: 23274662  
? Volume: 12  
? Issue: 11  
? Pages: 15238-15248  
? Authors: Nozari Sheida; Haleem Halar; Garibotto Chiara; Sciarrone Andrea; Bisio Igor; Lavagetto Fabio  
? Keywords: Crowd monitoring | Internet of Things (IoT) | MAC randomization | multiple access control | WiFi sensing | WiFi tracking  
? Quartile:  
2025:  
? Computer Networks and Communications (Q1, rank 20, percentile 96)  
? Hardware and Architecture (Q1, rank 9, percentile 96)  
? Signal Processing (Q1, rank 12, percentile 94)  
? Computer Science Applications (Q1, rank 62, percentile 93)  
? Information Systems (Q1, rank 32, percentile 93)  
? Source Id: 21100338350  
? Author Ids: 57302361700;57223037986;57053502600;36180166900;8546192900;7004136693  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153  
? Corresponding: Nozari S.

3.  
? Title: Analyzing Broadcast Patterns and Randomization Techniques in Wi-Fi Probe

Request Frames

? Venue: IEEE Network

? Year: 2025

? Type: Journal

? Subtype: Article

? Citations: 1

? Doi: 10.1109/Mnet.2024.3479457

? Scopus ID: 2-s2.0-85207382710

? Issn: 08908044

? eISSN: 1558156X

? Volume: 39

? Issue: 4

? Pages: 228-234

? Authors: Nozari Sheida; Garibotto Chiara; Sciarrone Andrea; Bisio Igor; Lavagetto Fabio

? Keywords: MAC randomization | Probe Requests | Wi-Fi Frame

? Quartile:

2025:

? Hardware and Architecture (Q1, rank 11, percentile 95)

? Computer Networks and Communications (Q1, rank 31, percentile 94)

? Software (Q1, rank 37, percentile 92)

? Information Systems (Q1, rank 42, percentile 91)

? Source Id: 27239

? Author Ids: 57302361700;57053502600;36180166900;8546192900;7004136693

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153

? Corresponding: Nozari S.

4.

? Title: AI-Driven Estimation of Breathing Frequency Through CSI Analysis

? Venue: IEEE International Conference on Communications

? Year: 2025

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Icc52391.2025.11161454

? Scopus ID: 2-s2.0-105018474953

? Issn: 15503607

? Pages: 934-939

? Authors: Bisio Igor; Fallani Caterina; Garibotto Chiara; Grattarola Aldo; Lavagetto Fabio; Sciarrone Andrea; Zerbino Matteo

? Keywords: Channel State Information (CSI) | Contactless Patient Monitoring | eHealth | Respiratory Monitoring | Wi-Fi

? Source Id: 33201

? Author Ids:

8546192900;59226255200;57053502600;6603286614;7004136693;36180166900;58734922800

? Authoraffiliationids:

60025153;60025153;60025153;60025153;60025153;60025153-130390328;60025153

? Corresponding: Bisio I.

5.

? Title: Comparison of Sensing Capabilities Using Different CSI Detection Tools

? Venue: IEEE International Conference on Communications

? Year: 2025

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Icc52391.2025.11160982  
? Scopus ID: 2-s2.0-105018468314  
? Issn: 15503607  
? Pages: 6426-6431  
? Authors: Bisio Igor; Fallani Caterina; Garibotto Chiara; Grattarola Aldo; Lavagetto Fabio; Sciarrone Andrea; Zerbino Matteo  
? Keywords: Channel State Information (CSI) | classification | DL | IoT | ML | Wi-Fi  
? Source Id: 33201  
? Author Ids:  
8546192900;59226255200;57053502600;6603286614;7004136693;36180166900;58734922800  
? Authoraffiliationids: 60025153;60025153;60025153-130390328;60025153;60025153-130390328;60025153-130390328;60025153  
? Corresponding: Bisio I.

6.

? Title: Deep at the Edge: AI-Driven Signal Compression for Structural Health Monitoring in Symbiotic IoT Systems  
? Venue: IEEE Internet of Things Journal  
? Year: 2025  
? Type: Journal  
? Subtype: Article  
? Citations: 0  
? Doi: 10.1109/Jiot.2025.3603739  
? Scopus ID: 2-s2.0-105014610119  
? eISSN: 23274662  
? Volume: 12  
? Issue: 20  
? Pages: 41538-41549  
? Authors: Bisio Igor; Garibotto Chiara; Lavagetto Fabio; Sciarrone Andrea; Zerbino Matteo  
? Keywords: artificial intelligence (AI) | autoencoders (AEs) | compressive sensing (CS) | edge computing | neural networks (NNs) | structural health monitoring (SHM) | Symbiotic Internet of Things (IoT) | wireless sensor networks (WSNs)  
? Quartile:  
2025:  
? Computer Networks and Communications (Q1, rank 20, percentile 96)  
? Hardware and Architecture (Q1, rank 9, percentile 96)  
? Signal Processing (Q1, rank 12, percentile 94)  
? Computer Science Applications (Q1, rank 62, percentile 93)  
? Information Systems (Q1, rank 32, percentile 93)  
? Source Id: 21100338350  
? Author Ids: 8546192900;57053502600;7004136693;36180166900;58734922800  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153  
? Corresponding: Bisio I.

7.

? Title: Medical Digital Twin and IoT Devices: Monitoring Patients through Human-Centered Technologies  
? Venue: IEEE Internet of Things Magazine  
? Year: 2025  
? Type: Journal  
? Subtype: Article  
? Citations: 0  
? Doi: 10.1109/Miot.2025.3591039  
? Scopus ID: 2-s2.0-105011761595  
? Issn: 25763180

- ? eISSN: 25763199  
? Authors: Araniti Giuseppe; Garibotto Chiara; Jose Abey; Marcello Francesca; Pilloni Virginia; Sciarrone Andrea; Suraci Chiara; Zema Pietro; Zerbino Matteo  
? Keywords: Assistive technology | CSI | Digital twin | Disabilities | Edge Computing | IoT  
? Quartile:  
2025:  
? Computer Networks and Communications (Q1, rank 81, percentile 85)  
? Software (Q1, rank 81, percentile 83)  
? Computer Science Applications (Q1, rank 158, percentile 83)  
? Information Systems (Q1, rank 84, percentile 83)  
? Hardware and Architecture (Q1, rank 41, percentile 82)  
? Source Id: 21101224376  
? Author Ids: 6603175144;57053502600;58043237100;57867579400;54585796700;36180166900;57203093250;59536344200;58734922800  
? Authoraffiliationids: 60020167-60103966;60103966-60025153;60032259;60103966-60032259;60103966-60032259;60103966-60025153;60020167-60103966;60020167;60025153  
? Corresponding: Araniti G.
8.  
? Title: Design, Implementation and Performance of an IIoT Node for Vibration Monitoring  
? Venue: Proceedings IEEE International Symposium on Circuits and Systems  
? Year: 2025  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? Doi: 10.1109/Iscas56072.2025.11043851  
? Scopus ID: 2-s2.0-105010581338  
? Issn: 02714310  
? Authors: Bisio Igor; Garibotto Chiara; Grattarola Aldo; Iscra Alessandro; Lavagetto Fabio; Sciarrone Andrea; Zerbino Matteo  
? Keywords: IMU | Industrial IoT | LoRa | Structural Health Monitoring  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)  
? Source Id: 56190  
? Author Ids: 8546192900;57053502600;6603286614;6506869764;7004136693;36180166900;58734922800  
? Authoraffiliationids: 60025153;60025153-130390328;60025153;60025153;60025153-130390328;60025153-130390328;60025153  
? Corresponding: Bisio I.
9.  
? Title: Analyzing Wi-Fi Probe Requests: Insights Into MAC Randomization and Broadcasting Dynamics  
? Venue: IEEE Wireless Communications and Networking Conference Wcnc  
? Year: 2025  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? Doi: 10.1109/Wcnc61545.2025.10978833  
? Scopus ID: 2-s2.0-105006458154  
? Issn: 15253511  
? Authors: Nozari Sheida; Garibotto Chiara; Sciarrone Andrea; Bisio Igor; Lavagetto Fabio

? Keywords: crowd monitoring | MAC randomization | probe requests | Wi-Fi frame

? Quartile:

2025:

? Engineering (all) (Q2, rank 148, percentile 57)

? Source Id: 145653

? Author Ids: 57302361700;57053502600;36180166900;8546192900;7004136693

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153

? Corresponding: Nozari S.

10.

? Title: Cost-Efficient and Portable IoMT Solution for Post-Stroke Rehabilitation: Inferring Feet Pressures With Lower Limbs IMUs

? Venue: IEEE Internet of Things Journal

? Year: 2025

? Type: Journal

? Subtype: Article

? Citations: 0

? Doi: 10.1109/Jiot.2024.3520675

? Scopus ID: 2-s2.0-105003801755

? eISSN: 23274662

? Volume: 12

? Issue: 9

? Pages: 12355-12368

? Authors: Shahid Muhammad; Bisio Igor; Garibotto Chiara; Lavagetto Fabio; Hamedani Mehrnaz; Schenone Angelo; Sciarrone Andrea

? Keywords: e-Health | Internet of Medical Things (IoMT) | motor assessment | post-stroke rehabilitation | statistical machine learning

? Quartile:

2025:

? Computer Networks and Communications (Q1, rank 20, percentile 96)

? Hardware and Architecture (Q1, rank 9, percentile 96)

? Signal Processing (Q1, rank 12, percentile 94)

? Computer Science Applications (Q1, rank 62, percentile 93)

? Information Systems (Q1, rank 32, percentile 93)

? Source Id: 21100338350

? Author Ids:

57189684334;8546192900;57053502600;7004136693;57219039113;22836045400;36180166900

? Authoraffiliationids:

60025153;60025153;60025153;60025153;60025153;60025153;60025153-131352891

? Corresponding: Shahid M.

11.

? Title: RF/WiFi-based UAV surveillance systems: A systematic literature review

? Venue: Internet of Things Netherlands

? Year: 2024

? Type: Journal

? Subtype: Review

? Citations: 14

? DOI: 10.1016/j.iot.2024.101201

? Scopus ID: 2-s2.0-85192971175

? eISSN: 25426605

? Volume: 26

? Authors: Bisio Igor; Garibotto Chiara; Haleem Halar; Lavagetto Fabio; Sciarrone Andrea

? Keywords: Detection | Drone | Safety | Surveillance | Tracking

? Quartile:

2025:

- ? Hardware and Architecture (Q1, rank 7, percentile 97)
- ? Computer Science (miscellaneous) (Q1, rank 7, percentile 96)
- ? Engineering (miscellaneous) (Q1, rank 14, percentile 95)
- ? Information Systems (Q1, rank 27, percentile 94)
- ? Software (Q1, rank 28, percentile 94)
- ? Computer Science Applications (Q1, rank 56, percentile 94)
- ? Management of Technology and Innovation (Q1, rank 21, percentile 93)
- ? Artificial Intelligence (Q1, rank 42, percentile 91)

2024:

- ? Engineering (miscellaneous) (Q1, rank 15, percentile 94)
- ? Computer Science (miscellaneous) (Q1, rank 10, percentile 94)
- ? Hardware and Architecture (Q1, rank 15, percentile 93)
- ? Computer Science Applications (Q1, rank 76, percentile 92)
- ? Software (Q1, rank 42, percentile 91)
- ? Information Systems (Q1, rank 42, percentile 91)
- ? Management of Technology and Innovation (Q1, rank 32, percentile 89)
- ? Artificial Intelligence (Q1, rank 54, percentile 88)

? Source Id: 21101058910

? Author Ids: 8546192900;57053502600;57223037986;7004136693;36180166900

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153

? Corresponding: Bisio I.

12.

? Title: SHM With Low-Cost, Low-Energy, and Low-Rate IoT Devices: Reducing Transmission Burden With Compressive Sensing

? Venue: IEEE Internet of Things Journal

? Year: 2024

? Type: Journal

? Subtype: Article

? Citations: 4

? Doi: 10.1109/Jiot.2024.3390803

? Scopus ID: 2-s2.0-85190758736

? eISSN: 23274662

? Volume: 11

? Issue: 13

? Pages: 24323-24333

? Authors: Bisio Igor; Garibotto Chiara; Grattarola Aldo; Lavagetto Fabio; Sciarrone Andrea; Zerbino Matteo

? Keywords: Compressive sensing (CS) | inertial signals | IoT | signal processing | structural health monitoring (SHM)

? Quartile:

2025:

- ? Computer Networks and Communications (Q1, rank 20, percentile 96)
- ? Hardware and Architecture (Q1, rank 9, percentile 96)
- ? Signal Processing (Q1, rank 12, percentile 94)
- ? Computer Science Applications (Q1, rank 62, percentile 93)
- ? Information Systems (Q1, rank 32, percentile 93)

2024:

- ? Hardware and Architecture (Q1, rank 6, percentile 97)
- ? Computer Networks and Communications (Q1, rank 16, percentile 96)
- ? Signal Processing (Q1, rank 8, percentile 95)
- ? Information Systems (Q1, rank 21, percentile 95)
- ? Computer Science Applications (Q1, rank 45, percentile 95)

? Source Id: 21100338350

? Author Ids: 8546192900;57053502600;6603286614;7004136693;36180166900;58734922800  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153  
? Corresponding: Bisio I.

13.

? Title: Vehicular/Non-Vehicular Multi-Class Multi-Object Tracking in Drone-Based Aerial Scenes

? Venue: IEEE Transactions on Vehicular Technology

? Year: 2024

? Type: Journal

? Subtype: Article

? Citations: 9

? Doi: 10.1109/Tvt.2023.3332132

? Scopus ID: 2-s2.0-85178077060

? Issn: 00189545

? eISSN: 19399359

? Volume: 73

? Issue: 4

? Pages: 4961-4977

? Authors: Bisio Igor; Garibotto Chiara; Haleem Halar; Lavagetto Fabio; Sciarrone Andrea

? Keywords: Aerial scenes | data association | drones | multi-object tracking (MOT)

? Quartile:

2025:

? Aerospace Engineering (Q1, rank 5, percentile 97)

? Electrical and Electronic Engineering (Q1, rank 63, percentile 93)

? Automotive Engineering (Q1, rank 9, percentile 93)

? Computer Networks and Communications (Q1, rank 38, percentile 93)

2024:

? Aerospace Engineering (Q1, rank 5, percentile 97)

? Automotive Engineering (Q1, rank 8, percentile 94)

? Electrical and Electronic Engineering (Q1, rank 68, percentile 93)

? Computer Networks and Communications (Q1, rank 38, percentile 92)

? Source Id: 17393

? Author Ids: 8546192900;57053502600;57223037986;7004136693;36180166900

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153

? Corresponding: Bisio I.

14.

? Title: Replacing Force Plates with IMU-based SmartGlasses for Balance Assessment

? Venue: 2024 IEEE International Conference on E Health Networking Application and Services Healthcom 2024

? Year: 2024

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Healthcom60970.2024.10880807

? Scopus ID: 2-s2.0-85219635071

? Authors: Haleem Halar; Shahid Muhammad; Bisio Igor; Garibotto Chiara; Lavagetto Fabio; Nozari Sheida; Sciarrone Andrea; Hamedani Mehrnaz; Schenone Angelo

? Keywords: balance assessment | force platform | IMUs | machine learning | motor control | risk of fall | smart-glasses

? Source Id: 21101278600

? Author Ids: 57223037986;57189684334;8546192900;57053502600;7004136693;57302361700;36180166900;57219039113;22836045400

? Authoraffiliationids: 60025153;60025153;60025153-130272028;60025153-

130272028;60025153-130272028;60025153;60025153-130272028;60025153;60025153-130272028

? Corresponding: Haleem H.

15.

? Title: Model-Independent Approach for Long-Tail Object Detection in Aerial Imagery

? Venue: Proceedings 2024 IEEE Annual Congress on Artificial Intelligence of Things

Aiot 2024

? Year: 2024

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? DOI: 10.1109/AIoT63253.2024.00025

? Scopus ID: 2-s2.0-85205958648

? Pages: 78-80

? Authors: Haleem Halar; Bisio Igor; Garibotto Chiara; Lavagetto Fabio; Sciarrone

Andrea

? Keywords: long-tail | object detection | weighting strategy

? Source Id: 21101252543

? Author Ids: 57223037986;8546192900;57053502600;7004136693;36180166900

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153

? Corresponding: Haleem H.

16.

? Title: Towards Sensorized Glasses: A Smart Wearable System for Head Movement Monitoring

? Venue: 2024 9th International Conference on Smart and Sustainable Technologies  
Splitech 2024

? Year: 2024

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? DOI: 10.23919/SpliTech61897.2024.10612333

? Scopus ID: 2-s2.0-85202449604

? Authors: Bisio Igor; Garibotto Chiara; Hamedani Mehrnaz; Lavagetto Fabio; Schenone Angelo; Sciarrone Andrea; Shahid Muhammad

? Keywords: Head movement | Health monitoring | IMU | IoT | Machine Learning |  
Multivariate time series

? Source Id: 21101245170

? Author Ids:

8546192900;57053502600;57219039113;7004136693;22836045400;36180166900;57189684334

? Authoraffiliationids:

60025153;60025153;60025153;60025153;60025153;60025153;60025153-130390328;60025153

? Corresponding: Bisio I.

17.

? Title: Performance Evaluation of Machine/Deep Learning-Based Object Recognition  
Techniques Leveraging Channel State Information Using a Real Testbed

? Venue: IEEE Access

? Year: 2024

? Type: Journal

? Subtype: Article

? Citations: 1

? Doi: 10.1109/Access.2024.3428612

? Scopus ID: 2-s2.0-85199114500

? eISSN: 21693536

? Volume: 12

? Pages: 98680-98692

? Authors: Bisio Igor; Fallani Caterina; Garibotto Chiara; Grattarola Aldo; Lavagetto Fabio; Sciarrone Andrea; Zappatore Sandro; Zerbino Matteo

? Keywords: Classification | CSI | deep learning | machine learning | object detection | object recognition | WiFi

? Quartile:

2025:

? Engineering (all) (Q1, rank 42, percentile 88)

? Computer Science (all) (Q1, rank 41, percentile 83)

? Materials Science (all) (Q1, rank 101, percentile 78)

2024:

? Engineering (all) (Q1, rank 32, percentile 90)

? Computer Science (all) (Q1, rank 33, percentile 86)

? Materials Science (all) (Q1, rank 87, percentile 81)

? Source Id: 21100374601

? Author Ids: 8546192900;59226255200;57053502600;6603286614;7004136693;36180166900;6602811400;58734922800

? Authoraffiliationids:

60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153

? Corresponding: Bisio I.

18.

? Title: Analysis of CSI-based Human Activity Recognition for Contactless Patients Monitoring

? Venue: Proceedings IEEE Global Communications Conference Globecom

? Year: 2024

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? Doi: 10.1109/Globecom52923.2024.10901592

? Scopus ID: 2-s2.0-105000824308

? Issn: 23340983

? eISSN: 25766813

? Pages: 438-443

? Authors: Bisio Igor; Fallani Caterina; Garibotto Chiara; Lavagetto Fabio; Sciarrone Andrea; Zerbino Matteo

? Keywords: Channel State Information (CSI) | Contactless Patient Monitoring | eHealth | Human Activity Recognition (HAR) | Machine Learning | Wi-Fi

? Quartile:

2025:

? Signal Processing (Q2, rank 90, percentile 54)

? Computer Networks and Communications (Q2, rank 260, percentile 52)

? Artificial Intelligence (Q3, rank 262, percentile 47)

? Hardware and Architecture (Q3, rank 129, percentile 45)

2024:

? Signal Processing (Q3, rank 94, percentile 48)

? Computer Networks and Communications (Q3, rank 275, percentile 45)

? Artificial Intelligence (Q3, rank 267, percentile 40)

? Hardware and Architecture (Q3, rank 143, percentile 36)

? Source Id: 21101199922

? Author Ids: 8546192900;59226255200;57053502600;7004136693;36180166900;58734922800

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153-130390328;60025153

? Corresponding: Bisio I.

19.

? Title: Performance Analysis of VCA-Based Target Detection System for Maritime Surveillance

? Venue: IEEE Transactions on Vehicular Technology  
? Year: 2023  
? Type: Journal  
? Subtype: Article  
? Citations: 5  
? Doi: 10.1109/Tvt.2022.3223250  
? Scopus ID: 2-s2.0-85142795318  
? Issn: 00189545  
? eISSN: 19399359  
? Volume: 72  
? Issue: 4  
? Pages: 5010-5020  
? Authors: Bisio Igor; Garibotto Chiara; Lavagetto Fabio; Sciarrone Andrea  
? Keywords: Detection | H264 | latency | loss | maritime | neural networks | PSNR | satellite | surveillance | VCA  
? Quartile:  
2025:  
? Aerospace Engineering (Q1, rank 5, percentile 97)  
? Electrical and Electronic Engineering (Q1, rank 63, percentile 93)  
? Automotive Engineering (Q1, rank 9, percentile 93)  
? Computer Networks and Communications (Q1, rank 38, percentile 93)  
2023:  
? Aerospace Engineering (Q1, rank 5, percentile 97)  
? Automotive Engineering (Q1, rank 5, percentile 96)  
? Computer Networks and Communications (Q1, rank 23, percentile 94)  
? Electrical and Electronic Engineering (Q1, rank 48, percentile 94)  
? Source Id: 17393  
? Author Ids: 8546192900;57053502600;7004136693;36180166900  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Bisio I.

20.

? Title: Traffic Analysis Through Deep-Learning-Based Image Segmentation From UAV Streaming  
? Venue: IEEE Internet of Things Journal  
? Year: 2023  
? Type: Journal  
? Subtype: Article  
? Citations: 21  
? Doi: 10.1109/Jiot.2022.3223283  
? Scopus ID: 2-s2.0-85142792943  
? eISSN: 23274662  
? Volume: 10  
? Issue: 7  
? Pages: 6059-6073  
? Authors: Bisio Igor; Garibotto Chiara; Haleem Halar; Lavagetto Fabio; Sciarrone Andrea  
? Keywords: Deep learning (DL) | drones | Region of Interest (RoI) | segmentation | traffic monitoring | vehicle detection  
? Quartile:  
2025:  
? Computer Networks and Communications (Q1, rank 20, percentile 96)  
? Hardware and Architecture (Q1, rank 9, percentile 96)  
? Signal Processing (Q1, rank 12, percentile 94)  
? Computer Science Applications (Q1, rank 62, percentile 93)

? Information Systems (Q1, rank 32, percentile 93)  
2023:  
? Computer Networks and Communications (Q1, rank 12, percentile 97)  
? Computer Science Applications (Q1, rank 29, percentile 96)  
? Hardware and Architecture (Q1, rank 7, percentile 96)  
? Information Systems (Q1, rank 17, percentile 95)  
? Signal Processing (Q1, rank 6, percentile 95)  
? Source Id: 21100338350  
? Author Ids: 8546192900;57053502600;57223037986;7004136693;36180166900  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153  
? Corresponding: Bisio I.

21.  
? Title: Feet Pressure Prediction from Lower Limbs IMU Sensors for Wearable Systems in Remote Monitoring Architectures  
? Venue: Proceedings IEEE Global Communications Conference Globecom  
? Year: 2023  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? Doi: 10.1109/Globecom54140.2023.10437695  
? Scopus ID: 2-s2.0-85187399878  
? Issn: 23340983  
? eISSN: 25766813  
? Pages: 492-497  
? Authors: Bisio Igor; Garibotto Chiara; Lavagetto Fabio; Shahid Muhammad  
? Keywords: eHealth | Foot Pressure sensing | IoT | Statistical machine Learning | Stroke Rehabilitation  
? Quartile:  
2025:  
? Signal Processing (Q2, rank 90, percentile 54)  
? Computer Networks and Communications (Q2, rank 260, percentile 52)  
? Artificial Intelligence (Q3, rank 262, percentile 47)  
? Hardware and Architecture (Q3, rank 129, percentile 45)  
? Source Id: 21101199922  
? Author Ids: 8546192900;57053502600;7004136693;57189684334  
? Authoraffiliationids: 60025153-129430806;60025153-129430806;60025153-129430806;60025153-129430806  
? Corresponding: Bisio I.

22.  
? Title: Investigating Compressive Sensing Applications Through Real Infrastructures Inertial Signals Analysis  
? Venue: Proceedings IEEE Global Communications Conference Globecom  
? Year: 2023  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 3  
? Doi: 10.1109/Globecom54140.2023.10437318  
? Scopus ID: 2-s2.0-85187378260  
? Issn: 23340983  
? eISSN: 25766813  
? Pages: 279-284  
? Authors: Bisio Igor; Garibotto Chiara; Lavagetto Fabio; Sciarrone Andrea; Zerbino Matteo  
? Keywords: Compressive Sensing (CS) | Inertial Signals | IoT | Signal Processing |

## Structural Health Monitoring (SHM)

? Quartile:

2025:

- ? Signal Processing (Q2, rank 90, percentile 54)
- ? Computer Networks and Communications (Q2, rank 260, percentile 52)
- ? Artificial Intelligence (Q3, rank 262, percentile 47)
- ? Hardware and Architecture (Q3, rank 129, percentile 45)
- ? Source Id: 21101199922
- ? Author Ids: 8546192900;57053502600;7004136693;36180166900;58734922800
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
- ? Corresponding: Bisio I.

23.

- ? Title: IoT-Based Compressive Sensing for Real-World Infrastructural Monitoring Application
- ? Venue: IEEE International Conference on Communications
- ? Year: 2023
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 3
- ? Doi: 10.1109/lcc45041.2023.10278730
- ? Scopus ID: 2-s2.0-85178284176
- ? Issn: 15503607
- ? Volume: 2023-May
- ? Pages: 2166-2172
- ? Authors: Zerbino Matteo; Bisio Igor; Garibotto Chiara; Lavagetto Fabio; Sciarrone Andrea
- ? Keywords: Compressive Sensing (CS) | Inertial Signals | Infrastructural Monitoring | IoT node | Signal Processing
- ? Source Id: 33201
- ? Author Ids: 58734922800;8546192900;57053502600;7004136693;36180166900
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
- ? Corresponding: Zerbino M.

24.

- ? Title: Performance Analysis of an IoT-Based Personal Vocal Assistant for Cruise Ships over Satellite Networks
- ? Venue: IEEE Internet of Things Journal
- ? Year: 2022
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 6
- ? Doi: 10.1109/Jiot.2021.3116435
- ? Scopus ID: 2-s2.0-85116903761
- ? eISSN: 23274662
- ? Volume: 9
- ? Issue: 16
- ? Pages: 14857-14866
- ? Authors: Garibotto Chiara; Sciarrone Andrea; Lavagetto Fabio; Pronzati Luca; Baljak Alessio; Tagliabue Gabriele
- ? Keywords: Cruising ships | Internet of Things (IoT) | M2M | personal vocal assistant (PVA) | satellite network
- ? Quartile:
- 2025:
- ? Computer Networks and Communications (Q1, rank 20, percentile 96)
- ? Hardware and Architecture (Q1, rank 9, percentile 96)

- ? Signal Processing (Q1, rank 12, percentile 94)
  - ? Computer Science Applications (Q1, rank 62, percentile 93)
  - ? Information Systems (Q1, rank 32, percentile 93)
- 2022:
- ? Signal Processing (Q1, rank 3, percentile 97)
  - ? Computer Science Applications (Q1, rank 18, percentile 97)
  - ? Computer Networks and Communications (Q1, rank 11, percentile 97)
  - ? Hardware and Architecture (Q1, rank 6, percentile 96)
  - ? Information Systems (Q1, rank 14, percentile 96)
- ? Source Id: 21100338350
  - ? Author Ids: 57053502600;36180166900;7004136693;57844071100;57843317500;57845180300
  - ? Authoraffiliationids: 60025153;60025153;60025153;128464418;128464418;128464418
  - ? Corresponding: Garibotto C.
- 25.
- ? Title: Performance Evaluation and Analysis of Drone-Based Vehicle Detection Techniques From Deep Learning Perspective
  - ? Venue: IEEE Internet of Things Journal
  - ? Year: 2022
  - ? Type: Journal
  - ? Subtype: Article
  - ? Citations: 41
  - ? Doi: 10.1109/Jiot.2021.3128065
  - ? Scopus ID: 2-s2.0-85133278261
  - ? eISSN: 23274662
  - ? Volume: 9
  - ? Issue: 13
  - ? Pages: 10920-10935
  - ? Authors: Bisio Igor; Haleem Halar; Garibotto Chiara; Lavagetto Fabio; Sciarrone Andrea
  - ? Keywords: Aerial view | deep learning | drones | traffic monitoring | vehicle detection
  - ? Quartile:
- 2025:
- ? Computer Networks and Communications (Q1, rank 20, percentile 96)
  - ? Hardware and Architecture (Q1, rank 9, percentile 96)
  - ? Signal Processing (Q1, rank 12, percentile 94)
  - ? Computer Science Applications (Q1, rank 62, percentile 93)
  - ? Information Systems (Q1, rank 32, percentile 93)
- 2022:
- ? Signal Processing (Q1, rank 3, percentile 97)
  - ? Computer Science Applications (Q1, rank 18, percentile 97)
  - ? Computer Networks and Communications (Q1, rank 11, percentile 97)
  - ? Hardware and Architecture (Q1, rank 6, percentile 96)
  - ? Information Systems (Q1, rank 14, percentile 96)
- ? Source Id: 21100338350
  - ? Author Ids: 8546192900;57223037986;57053502600;7004136693;36180166900
  - ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
  - ? Corresponding: Bisio I.
- 26.
- ? Title: Innovative Flying Strategy based on Drone Energy Profile: an Application for Traffic Monitoring
  - ? Venue: Proceedings IEEE Global Communications Conference Globecom
  - ? Year: 2022
  - ? Type: Conference Proceeding

? Subtype: Conference Paper  
? Citations: 3  
? Doi: 10.1109/Globecom48099.2022.10001318  
? Scopus ID: 2-s2.0-85146967488  
? Issn: 23340983  
? eISSN: 25766813  
? Pages: 5892-5898  
? Authors: Bisio Igor; Haleem Halar; Garibotto Chiara; Lavagetto Fabio; Sciarrone Andrea  
? Keywords: communication | drone | energy consumption | flight time  
? Quartile:  
2025:  
? Signal Processing (Q2, rank 90, percentile 54)  
? Computer Networks and Communications (Q2, rank 260, percentile 52)  
? Artificial Intelligence (Q3, rank 262, percentile 47)  
? Hardware and Architecture (Q3, rank 129, percentile 45)  
? Source Id: 21101199922  
? Author Ids: 8546192900;57223037986;57053502600;7004136693;36180166900  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153  
? Corresponding: Bisio I.

27.  
? Title: Accuracy-Versus-Energy Evaluation in Drone-Based Video Processing for Object Detection  
? Venue: Proceedings IEEE Global Communications Conference Globecom  
? Year: 2022  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 2  
? Doi: 10.1109/Globecom48099.2022.10000961  
? Scopus ID: 2-s2.0-85146965323  
? Issn: 23340983  
? eISSN: 25766813  
? Pages: 5886-5891  
? Authors: Bisio Igor; Haleem Halar; Garibotto Chiara; Lavagetto Fabio; Sciarrone Andrea  
? Keywords: communication | deep learning | detection | drone | energy profile | video processing  
? Quartile:  
2025:  
? Signal Processing (Q2, rank 90, percentile 54)  
? Computer Networks and Communications (Q2, rank 260, percentile 52)  
? Artificial Intelligence (Q3, rank 262, percentile 47)  
? Hardware and Architecture (Q3, rank 129, percentile 45)  
? Source Id: 21101199922  
? Author Ids: 8546192900;57223037986;57053502600;7004136693;36180166900  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153  
? Corresponding: Bisio I.

28.  
? Title: Sentient Spaces: Intelligent Totem Use Case in the ECSEL FRACTAL Project  
? Venue: Proceedings 2022 25th Euromicro Conference on Digital System Design Dsd 2022  
? Year: 2022  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 3

? Doi: 10.1109/Dsd57027.2022.00104  
? Scopus ID: 2-s2.0-85146695546  
? Pages: 741-747  
? Authors: Caruso Federica; Di Mascio Tania; Frigioni Daniele; Pomante Luigi; Valente Giacomo; Delucchi Stefano; Burgio Paolo; Frangia Manuel Di; Paganin Luca; Garibotto Chiara; Vallocchia Damiano  
? Keywords: artificial intelligence | cognitive systems | Edge computing | intelligent Totems | Internet of Things | sentient spaces  
? Source Id: 21101132252  
? Author Ids: 57209273196;6507743157;6701458856;55905317800;57188678594;55694754400;36661790800;58075591900;58073742000;57053502600;58075323900  
? Authoraffiliationids: 60018783;60018783;60018783;60018783;60018783;129106754;60004591;129105900;129106350;60025153;126318642  
? Corresponding: Caruso F.

29.

? Title: A Systematic Review of Drone Based Road Traffic Monitoring System  
? Venue: IEEE Access  
? Year: 2022  
? Type: Journal  
? Subtype: Review  
? Citations: 75  
? Doi: 10.1109/Access.2022.3207282  
? Scopus ID: 2-s2.0-85139434245  
? eISSN: 21693536  
? Volume: 10  
? Pages: 101537-101555  
? Authors: Bisio Igor; Garibotto Chiara; Haleem Halar; Lavagetto Fabio; Sciarrone Andrea  
? Keywords: Deep learning | drone | smart city | traffic monitoring | UAV  
? Quartile:  
2025:  
? Engineering (all) (Q1, rank 42, percentile 88)  
? Computer Science (all) (Q1, rank 41, percentile 83)  
? Materials Science (all) (Q1, rank 101, percentile 78)  
2022:  
? Engineering (all) (Q1, rank 22, percentile 92)  
? Computer Science (all) (Q1, rank 25, percentile 89)  
? Materials Science (all) (Q1, rank 78, percentile 82)  
? Source Id: 21100374601  
? Author Ids: 8546192900;57053502600;57223037986;7004136693;36180166900  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153  
? Corresponding: Bisio I.

30.

? Title: A Novel IoT-based Edge Sensing Platform for Structure Health Monitoring  
? Venue: INFOCOM Wkshps 2022 IEEE Conference on Computer Communications Workshops  
? Year: 2022  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 11  
? Doi: 10.1109/Infocomwkshps54753.2022.9797953  
? Scopus ID: 2-s2.0-85133912901  
? Authors: Bisio Igor; Garibotto Chiara; Lavagetto Fabio; Sciarrone Andrea  
? Keywords: 5G | Edge computing | infrastructure monitoring | IoT | SHM  
? Source Id: 21101095984

- ? Author Ids: 8546192900;57053502600;7004136693;36180166900  
? Corresponding: Bisio I.
31.  
? Title: On the Localization of Wireless Targets: A Drone Surveillance Perspective  
? Venue: IEEE Network  
? Year: 2021  
? Type: Journal  
? Subtype: Article  
? Citations: 43  
? Doi: 10.1109/Mnet.011.2000648  
? Scopus ID: 2-s2.0-85104680444  
? Issn: 08908044  
? eISSN: 1558156X  
? Volume: 35  
? Issue: 5  
? Pages: 249-255  
? Authors: Bisio Igor; Garibotto Chiara; Haleem Halar; Lavagetto Fabio; Sciarrone Andrea  
? Quartile:  
2025:  
? Hardware and Architecture (Q1, rank 11, percentile 95)  
? Computer Networks and Communications (Q1, rank 31, percentile 94)  
? Software (Q1, rank 37, percentile 92)  
? Information Systems (Q1, rank 42, percentile 91)  
2021:  
? Hardware and Architecture (Q1, rank 3, percentile 98)  
? Computer Networks and Communications (Q1, rank 6, percentile 98)  
? Information Systems (Q1, rank 8, percentile 97)  
? Software (Q1, rank 11, percentile 97)  
? Source Id: 27239  
? Author Ids: 8546192900;57053502600;57223037986;7004136693;36180166900  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153  
? Corresponding: Bisio I.
32.  
? Title: Two Ways for Early Detection of a Stroke through a Wearable Smart Helmet: Signal Processing vs. Electromagnetism  
? Venue: IEEE Wireless Communications  
? Year: 2021  
? Type: Journal  
? Subtype: Article  
? Citations: 12  
? Doi: 10.1109/Mwc.001.2000401  
? Scopus ID: 2-s2.0-85111168674  
? Issn: 15361284  
? eISSN: 15580687  
? Volume: 28  
? Issue: 3  
? Pages: 22-27  
? Authors: Bisio Igor; Fedeli Alessandro; Garibotto Chiara; Lavagetto Fabio; Pastorino Matteo; Randazzo Andrea  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q1, rank 24, percentile 97)  
? Computer Science Applications (Q1, rank 29, percentile 97)

2021:

- ? Computer Science Applications (Q1, rank 5, percentile 99)
- ? Electrical and Electronic Engineering (Q1, rank 10, percentile 98)
- ? Source Id: 18935
- ? Author Ids: 8546192900;55512997500;57053502600;7004136693;7004880389;7006280562
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
- ? Corresponding: Bisio I.

33.

- ? Title: Leveraging IoT Wearable Technology towards Early Diagnosis of Neurological Diseases
- ? Venue: IEEE Journal on Selected Areas in Communications
- ? Year: 2021
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 26
- ? Doi: 10.1109/Jsac.2020.3021573
- ? Scopus ID: 2-s2.0-85091390862
- ? Issn: 07338716
- ? eISSN: 15580008
- ? Volume: 39
- ? Issue: 2
- ? Pages: 582-592
- ? Authors: Sciarrone Andrea; Bisio Igor; Garibotto Chiara; Lavagetto Fabio; Staude Gerhard H.; Knopp Andreas
- ? Keywords: eHealth | eye blink | glasses | IoT | neurological diseases | signal processing | wearable technology
- ? Quartile:
- 2025:
  - ? Computer Networks and Communications (Q1, rank 4, percentile 99)
  - ? Electrical and Electronic Engineering (Q1, rank 8, percentile 99)
- 2021:
  - ? Computer Networks and Communications (Q1, rank 3, percentile 99)
  - ? Electrical and Electronic Engineering (Q1, rank 14, percentile 98)
- ? Source Id: 18902
- ? Author Ids: 36180166900;8546192900;57053502600;7004136693;55982299700;23566953300
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60018276;60018276
- ? Corresponding: Sciarrone A.

34.

- ? Title: Drone surveillance system-RF/WiFi-based drone detection, localization, and tracking: A survey
- ? Venue: Aviation Cybersecurity Foundations Principles and Applications
- ? Year: 2021
- ? Type: Book
- ? Subtype: Book Chapter
- ? Citations: 4
- ? DOI: 10.1049/sbra545e\_ch3
- ? Scopus ID: 2-s2.0-85136383866
- ? Pages: 49-81
- ? Authors: Bisio Igor; Garibotto Chiara; Haleem Halar; Lavagetto Fabio; Sciarrone Andrea
- ? Source Id: 21101102418
- ? Author Ids: 8546192900;57053502600;57223037986;7004136693;36180166900
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
- ? Corresponding: Bisio I.

35.

- ? Title: VisDrone-MOT2021: The Vision Meets Drone Multiple Object Tracking Challenge Results
- ? Venue: Proceedings of the IEEE International Conference on Computer Vision
- ? Year: 2021
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 37
- ? Doi: 10.1109/lccvw54120.2021.00318
- ? Scopus ID: 2-s2.0-85122776407
- ? Issn: 15505499
- ? Volume: 2021-October
- ? Pages: 2839-2846
- ? Authors: Chen Guanlin; Wang Wenguan; He Zhijian; Wang Lujia; Yuan Yixuan; Zhang Dingwen; Zhang Jinglin; Zhu Pengfei; Van Gool Luc; Han Junwei; Hoi Steven; Hu Qinghua; Liu Ming; Sciarrone Andrea; Sun Chao; Garibotto Chiara; Tran Duong Nguyen Ngoc; Lavagetto Fabio; Haleem Halar; Motorcu Hakki; Ates Hasan F.; Nguyen Huy Hung; Jeon Hyung Joon; Bisio Igor; Jeon Jae Wook; Li Jiahao; Pham Long Hoang; Jeon Moongu; Feng Qianyu; Li Shengwen; Tran Tai Huu Phuong; Pan Xiao; Song Young Min; Yao Yuehan; Du Yunhao; Xu Zhenyu; Luo Zhipeng
- ? Keywords: Benchmark | Challenge | Drone | Multi-object tracking | VisDrone
- ? Quartile:
- 2025:
  - ? Software (Q1, rank 6, percentile 98)
  - ? Computer Vision and Pattern Recognition (Q1, rank 6, percentile 96)
- 2021:
  - ? Software (Q1, rank 23, percentile 94)
  - ? Computer Vision and Pattern Recognition (Q1, rank 8, percentile 92)
- ? Source Id: 110561
- ? Author Ids: 57823150300;56103221800;57223744793;35175084300;55932867600;56024706800;5509658400;35779388800;22735702300;24450644400;8710996600;7403214664;55512872300;36180166900;57746184100;57053502600;57196243655;7004136693;57223037986;57339481700;7003483541;58594220200;57207104383;8546192900;7202411314;58503803100;56719255100;23987776700;57215774011;57222165705;58835819100;57417210700;55653877900;57215430277;57417298400;57188644531;57210633943
- ? Authoraffiliationids: 60019533;60025858;60008592;60008592;60013983;60003977;60064143;60019533;60025858;60003977;60018933;60019533;60008592;60025153;60003970;60025153;60007511;60025153;60007511;60007511;60003970;60068688;60023932;60016930;60007511;60003970;60068688;126541304;60016930;126541304;126541304
- ? Corresponding: Chen G.

36.

- ? Title: Early detection of external neurological symptoms through a wearable smart-glasses prototype
- ? Venue: Journal of Communications Software and Systems
- ? Year: 2021
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 3
- ? DOI: 10.24138/jcomss-2021-0071
- ? Scopus ID: 2-s2.0-85108696406
- ? Issn: 18456421
- ? eISSN: 18466079
- ? Volume: 17

- ? Issue: 2  
? Pages: 160-168  
? Authors: Sciarrone Andrea; Bisio Igor; Garibotto Chiara; Lavagetto Fabio; Hamedani Mehrnaz; Prada Valeria; Schenone Angelo; Boero Federico; Gambari Gianluca; Cereia Marco; Jurilli Michele  
? Keywords: EHealth | Eye Blink | Glasses | IoT | Neurological diseases | Signal processing | Wearable technology  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q3, rank 595, percentile 40)  
? Software (Q3, rank 351, percentile 29)  
2021:  
? Electrical and Electronic Engineering (Q3, rank 434, percentile 38)  
? Software (Q3, rank 277, percentile 30)  
? Source Id: 19900191968  
? Author Ids: 36180166900;8546192900;57053502600;7004136693;57219039113;57208860577;22836045400;57200958692;57218476376;25621208500;57224951314  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153;126296272;126296272;126484083;126484083  
? Corresponding: Sciarrone A.
37.  
? Title: NeuroGlasses: A Wearable Prototype for Early Detection of Neurological Symptoms  
? Venue: 2020 5th International Conference on Smart and Sustainable Technologies Splitech 2020  
? Year: 2020  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 5  
? DOI: 10.23919/SpliTech49282.2020.9243713  
? Scopus ID: 2-s2.0-85096637306  
? Authors: Sciarrone Andrea; Bisio Igor; Garibotto Chiara; Lavagetto Fabio; Hamedani Mehrnaz; Prada Valeria; Stara Silvia; Schenone Angelo; Boero Federico; Gambari Gianluca  
? Keywords: Alzheimer's disease (AD) | Essential Tremor (ET) | Eye Blinking (EB) | IoT | Parkinson's disease (PD)  
? Source Id: 21101028400  
? Author Ids: 36180166900;8546192900;57053502600;7004136693;57219039113;57208860577;6507934408;22836045400;57200958692;57218476376  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153;100490447;100490447  
? Corresponding: Sciarrone A.
38.  
? Title: Computational Complexity Closed-Form Upper Bounds Derivation for Fingerprint-Based Point-of-Interest Recognition Algorithms  
? Venue: IEEE Transactions on Vehicular Technology  
? Year: 2020  
? Type: Journal  
? Subtype: Article  
? Citations: 3  
? Doi: 10.1109/Tvt.2020.3000568  
? Scopus ID: 2-s2.0-85090151137  
? Issn: 00189545  
? eISSN: 19399359  
? Volume: 69

? Issue: 8  
? Pages: 9083-9096  
? Authors: Bisio Igor; Garibotto Chiara; Lavagetto Fabio; Sciarrone Andrea  
? Keywords: access points | mobile devices | Place recognition | smartphones | WiFi fingerprinting  
? Quartile:  
2025:  
? Aerospace Engineering (Q1, rank 5, percentile 97)  
? Electrical and Electronic Engineering (Q1, rank 63, percentile 93)  
? Automotive Engineering (Q1, rank 9, percentile 93)  
? Computer Networks and Communications (Q1, rank 38, percentile 93)  
2020:  
? Subject (Q1, rank 9, percentile 98)  
? Aerospace Engineering (Q1, rank 3, percentile 98)  
? Automotive Engineering (Q1, rank 6, percentile 94)  
? Electrical and Electronic Engineering (Q1, rank 51, percentile 92)  
? Source Id: 17393  
? Author Ids: 8546192900;57053502600;7004136693;36180166900  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Bisio I.

39.  
? Title: A Wearable Prototype for Neurological Symptoms Recognition  
? Venue: IEEE International Conference on Communications  
? Year: 2020  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 5  
? Doi: 10.1109/Icc40277.2020.9149017  
? Scopus ID: 2-s2.0-85089419305  
? Issn: 15503607  
? Volume: 2020-June  
? Authors: Sciarrone Andrea; Bisio Igor; Garibotto Chiara; Lavagetto Fabio; Staude Gerhard; Knopp Andreas  
? Keywords: Alzheimer's disease (AD) | Essential Tremor (ET) | Eye Blinking (EB) | IoT | Parkinson's disease (PD)  
? Source Id: 33201  
? Author Ids: 36180166900;8546192900;57053502600;7004136693;55982299700;23566953300  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60018276;60018276  
? Corresponding: Sciarrone A.

40.  
? Title: Towards IoT-based ehealth services: A smart prototype system for home rehabilitation  
? Venue: Proceedings IEEE Global Communications Conference Globecom  
? Year: 2019  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 15  
? Doi: 10.1109/Globecom38437.2019.9013194  
? Scopus ID: 2-s2.0-85081949471  
? Issn: 23340983  
? eISSN: 25766813  
? Authors: Bisio Igor; Garibotto Chiara; Hamedani Mehrnaz; Lavagetto Fabio; Prada Valeria; Sciarrone Andrea  
? Keywords: EHealth | IoT | Rehabilitation | Sensors | Wireless

? Quartile:

2025:

? Signal Processing (Q2, rank 90, percentile 54)

? Computer Networks and Communications (Q2, rank 260, percentile 52)

? Artificial Intelligence (Q3, rank 262, percentile 47)

? Hardware and Architecture (Q3, rank 129, percentile 45)

? Source Id: 21101199922

? Author Ids: 8546192900;57053502600;57219039113;7004136693;57208860577;36180166900

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153

? Corresponding: Bisio I.

41.

? Title: When eHealth Meets IoT: A Smart Wireless System for Post-Stroke Home Rehabilitation

? Venue: IEEE Wireless Communications

? Year: 2019

? Type: Journal

? Subtype: Article

? Citations: 63

? Doi: 10.1109/Mwc.001.1900125

? Scopus ID: 2-s2.0-85077195094

? Issn: 15361284

? eISSN: 15580687

? Volume: 26

? Issue: 6

? Pages: 24-29

? Authors: Bisio Igor; Garibotto Chiara; Lavagetto Fabio; Sciarrone Andrea

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 24, percentile 97)

? Computer Science Applications (Q1, rank 29, percentile 97)

2019:

? Computer Science Applications (Q1, rank 4, percentile 99)

? Electrical and Electronic Engineering (Q1, rank 8, percentile 98)

? Source Id: 18935

? Author Ids: 8546192900;57053502600;7004136693;36180166900

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Bisio I.

42.

? Title: Computational Complexity Upper Bounds for Fingerprint-Based Point-Of-Interest Recognition Algorithms

? Venue: 2019 4th International Conference on Computing Communications and Security Icccs 2019

? Year: 2019

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Cccs.2019.8888142

? Scopus ID: 2-s2.0-85075403794

? Authors: Bisio Igor; Lavagetto Fabio; Garibotto Chiara; Sciarrone Andrea

? Keywords: Close-form | Computational complexity | Internet of Things | POI recognition | Upper-bound | WiFi

? Source Id: 21100936372

? Author Ids: 8546192900;7004136693;57053502600;36180166900

? Authoraffiliationids: 60025153;60025153;60025153;60025153

- ? Corresponding: Bisio I.
- 43.
- ? Title: Outdoor Places of Interest Recognition with WiFi Fingerprint over Mobile Devices  
? Venue: IEEE International Conference on Communications  
? Year: 2019  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? Doi: 10.1109/Icc.2019.8761556  
? Scopus ID: 2-s2.0-85070234991  
? Issn: 15503607  
? Volume: 2019-May  
? Authors: Bisio Igor; Garibotto Chiara; Lavagetto Fabio; Sciarrone Andrea  
? Keywords: Access Point | Mobile devices. | Place recognition | Smartphone | WiFi Fingerprint  
? Source Id: 33201  
? Author Ids: 8546192900;57053502600;7004136693;36180166900  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Bisio I.
- 44.
- ? Title: Outdoor Places of Interest Recognition Using WiFi Fingerprints  
? Venue: IEEE Transactions on Vehicular Technology  
? Year: 2019  
? Type: Journal  
? Subtype: Article  
? Citations: 21  
? Doi: 10.1109/Tvt.2019.2905363  
? Scopus ID: 2-s2.0-85066625733  
? Issn: 00189545  
? eISSN: 19399359  
? Volume: 68  
? Issue: 5  
? Pages: 5076-5086  
? Authors: Bisio Igor; Garibotto Chiara; Lavagetto Fabio; Sciarrone Andrea  
? Keywords: access points | mobile devices | Place recognition | smartphones | WiFi fingerprinting  
? Quartile:  
2025:  
? Aerospace Engineering (Q1, rank 5, percentile 97)  
? Electrical and Electronic Engineering (Q1, rank 63, percentile 93)  
? Automotive Engineering (Q1, rank 9, percentile 93)  
? Computer Networks and Communications (Q1, rank 38, percentile 93)  
2019:  
? Aerospace Engineering (Q1, rank 2, percentile 98)  
? Subject (Q1, rank 9, percentile 98)  
? Automotive Engineering (Q1, rank 4, percentile 96)  
? Electrical and Electronic Engineering (Q1, rank 42, percentile 93)  
? Source Id: 17393  
? Author Ids: 8546192900;57053502600;7004136693;36180166900  
? Authoraffiliationids: 60025153-60015024;60025153;60025153;60025153  
? Corresponding: Bisio I.
- 45.
- ? Title: Statistical analysis of wireless traffic: An adversarial approach to drone

surveillance

? Venue: Proceedings IEEE Global Communications Conference Globecom

? Year: 2019

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 4

? Doi: 10.1109/Globecom38437.2019.9013562

? Scopus ID: 2-s2.0-85081963266

? Issn: 23340983

? eISSN: 25766813

? Authors: Bisio Igor; Garibotto Chiara; Lavagetto Fabio; Levorato Marco; Sciarrone Andrea

? Keywords: Adversarial approach | Drone | Fingerprint | PDF | Statistical analysis | UAV | WiFi

? Quartile:

2025:

? Signal Processing (Q2, rank 90, percentile 54)

? Computer Networks and Communications (Q2, rank 260, percentile 52)

? Artificial Intelligence (Q3, rank 262, percentile 47)

? Hardware and Architecture (Q3, rank 129, percentile 45)

? Source Id: 21101199922

? Author Ids: 8546192900;57053502600;7004136693;8901243100;36180166900

? Authoraffiliationids: 60025153;60025153;60025153;60142654;60025153

? Corresponding: Bisio I.

46.

? Title: Blind detection: Advanced techniques for WiFi-based drone surveillance

? Venue: IEEE Transactions on Vehicular Technology

? Year: 2019

? Type: Journal

? Subtype: Article

? Citations: 126

? Doi: 10.1109/Tvt.2018.2884767

? Scopus ID: 2-s2.0-85057882869

? Issn: 00189545

? Volume: 68

? Issue: 1

? Pages: 938-946

? Authors: Bisio Igor; Garibotto Chiara; Lavagetto Fabio; Sciarrone Andrea; Zappatore Sandro

? Keywords: data mining | Drones | fingerprint | statistical analysis | UAVs | WiFi

? Quartile:

2025:

? Aerospace Engineering (Q1, rank 5, percentile 97)

? Electrical and Electronic Engineering (Q1, rank 63, percentile 93)

? Automotive Engineering (Q1, rank 9, percentile 93)

? Computer Networks and Communications (Q1, rank 38, percentile 93)

2019:

? Aerospace Engineering (Q1, rank 2, percentile 98)

? Subject (Q1, rank 9, percentile 98)

? Automotive Engineering (Q1, rank 4, percentile 96)

? Electrical and Electronic Engineering (Q1, rank 42, percentile 93)

? Source Id: 17393

? Author Ids: 8546192900;57053502600;7004136693;36180166900;6602811400

? Authoraffiliationids: 60025153-60015024;60025153;60025153;60025153;60025153

- ? Corresponding: Bisio I.
- 47.
- ? Title: Smart and robust speaker recognition for context-Aware in-vehicle applications
  - ? Venue: IEEE Transactions on Vehicular Technology
  - ? Year: 2018
  - ? Type: Journal
  - ? Subtype: Article
  - ? Citations: 31
  - ? Doi: 10.1109/Tvt.2018.2849577
  - ? Scopus ID: 2-s2.0-85048885954
  - ? Issn: 00189545
  - ? Volume: 67
  - ? Issue: 9
  - ? Pages: 8808-8821
  - ? Authors: Bisio Igor; Garibotto Chiara; Grattarola Aldo; Lavagetto Fabio; Sciarrone Andrea
  - ? Keywords: Mobile computing | Noise | Speaker recognition | Vad | Vehicular technologies
  - ? Quartile:
- 2025:
- ? Aerospace Engineering (Q1, rank 5, percentile 97)
  - ? Electrical and Electronic Engineering (Q1, rank 63, percentile 93)
  - ? Automotive Engineering (Q1, rank 9, percentile 93)
  - ? Computer Networks and Communications (Q1, rank 38, percentile 93)
- 2018:
- ? Aerospace Engineering (Q1, rank 3, percentile 97)
  - ? Subject (Q1, rank 12, percentile 97)
  - ? Automotive Engineering (Q1, rank 4, percentile 96)
  - ? Electrical and Electronic Engineering (Q1, rank 56, percentile 91)
- ? Source Id: 17393
- ? Author Ids: 8546192900;57053502600;6603286614;7004136693;36180166900
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
- ? Corresponding: Bisio I.
- 48.
- ? Title: Exploiting context-aware capabilities over the internet of things for industry 4.0 applications
  - ? Venue: IEEE Network
  - ? Year: 2018
  - ? Type: Journal
  - ? Subtype: Article
  - ? Citations: 59
  - ? Doi: 10.1109/Mnet.2018.1700355
  - ? Scopus ID: 2-s2.0-85048329865
  - ? Issn: 08908044
  - ? Volume: 32
  - ? Issue: 3
  - ? Pages: 108-114
  - ? Authors: Bisio Igor; Garibotto Chiara; Grattarola Aldo; Lavagetto Fabio; Sciarrone Andrea
  - ? Quartile:
- 2025:
- ? Hardware and Architecture (Q1, rank 11, percentile 95)
  - ? Computer Networks and Communications (Q1, rank 31, percentile 94)
  - ? Software (Q1, rank 37, percentile 92)

- ? Information Systems (Q1, rank 42, percentile 91)  
2018:  
? Hardware and Architecture (Q1, rank 2, percentile 99)  
? Information Systems (Q1, rank 4, percentile 98)  
? Computer Networks and Communications (Q1, rank 5, percentile 98)  
? Software (Q1, rank 10, percentile 97)  
? Source Id: 27239  
? Author Ids: 8546192900;57053502600;6603286614;7004136693;36180166900  
? Authoraffiliationids: 60015024;60025153;60025153;60025153;109713634  
? Corresponding: Bisio I.
49.  
? Title: Unauthorized Amateur UAV Detection Based on WiFi Statistical Fingerprint Analysis  
? Venue: IEEE Communications Magazine  
? Year: 2018  
? Type: Journal  
? Subtype: Article  
? Citations: 126  
? Doi: 10.1109/Mcom.2018.1700340  
? Scopus ID: 2-s2.0-85045917460  
? Issn: 01636804  
? Volume: 56  
? Issue: 4  
? Pages: 106-111  
? Authors: Bisio Igor; Garibotto Chiara; Lavagetto Fabio; Sciarrone Andrea; Zappatore Sandro  
? Quartile:  
2025:  
? Computer Networks and Communications (Q1, rank 21, percentile 96)  
? Electrical and Electronic Engineering (Q1, rank 46, percentile 95)  
? Computer Science Applications (Q1, rank 63, percentile 93)  
2018:  
? Computer Science Applications (Q1, rank 1, percentile 99)  
? Computer Networks and Communications (Q1, rank 2, percentile 99)  
? Electrical and Electronic Engineering (Q1, rank 4, percentile 99)  
? Source Id: 17249  
? Author Ids: 8546192900;57053502600;7004136693;36180166900;6602811400  
? Authoraffiliationids: 60025153-60015024;60025153;60025153;60025153;60025153  
? Corresponding: Bisio I.
50.  
? Title: Performance evaluation of Application Layer Joint Coding solutions for video transmissions between Mobile Devices over the Internet of Things  
? Venue: Computer Communications  
? Year: 2018  
? Type: Journal  
? Subtype: Article  
? Citations: 6  
? DOI: 10.1016/j.comcom.2017.09.003  
? Scopus ID: 2-s2.0-85028989699  
? Issn: 01403664  
? Volume: 118  
? Pages: 50-59  
? Authors: Bisio Igor; Garibotto Chiara; Lavagetto Fabio; Sciarrone Andrea  
? Keywords: Application Layer Joint Coding | IoT | Mobile Devices | Performance

evaluation | Video transmission

? Quartile:

2025:

? Computer Networks and Communications (Q1, rank 50, percentile 90)

2018:

? Computer Networks and Communications (Q1, rank 50, percentile 83)

? Source Id: 13681

? Author Ids: 8546192900;57053502600;7004136693;36180166900

? Authoraffiliationids: 60025153-60015024;60025153;60025153;60025153

? Corresponding: Bisio I.

51.

? Title: Improving WiFi Statistical Fingerprint-Based Detection Techniques Against UAV Stealth Attacks

? Venue: Proceedings IEEE Global Communications Conference Globecom

? Year: 2018

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 13

? Doi: 10.1109/Glocom.2018.8647288

? Scopus ID: 2-s2.0-85063441669

? Issn: 23340983

? eISSN: 25766813

? Authors: Bisio Igor; Garibotto Chiara; Lavagetto Fabio; Sciarrone Andrea; Zappatore Sandro

? Quartile:

2025:

? Signal Processing (Q2, rank 90, percentile 54)

? Computer Networks and Communications (Q2, rank 260, percentile 52)

? Artificial Intelligence (Q3, rank 262, percentile 47)

? Hardware and Architecture (Q3, rank 129, percentile 45)

? Source Id: 21101199922

? Author Ids: 8546192900;57053502600;7004136693;36180166900;6602811400

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153

? Corresponding: Bisio I.

52.

? Title: Speaker Recognition Exploiting D2D Communications Paradigm: Performance Evaluation of Multiple Observations Approaches

? Venue: Mobile Networks and Applications

? Year: 2017

? Type: Journal

? Subtype: Article

? Citations: 5

? DOI: 10.1007/s11036-017-0876-z

? Scopus ID: 2-s2.0-85019852662

? Issn: 1383469x

? eISSN: 15728153

? Volume: 22

? Issue: 6

? Pages: 1045-1057

? Authors: Bisio Igor; Lavagetto Fabio; Garibotto Chiara; Sciarrone Andrea

? Keywords: D2D communications | Mobile devices | Multiple observations | Speaker recognition

? Quartile:

2025:

- ? Computer Networks and Communications (Q1, rank 111, percentile 79)
  - ? Software (Q1, rank 106, percentile 78)
  - ? Hardware and Architecture (Q1, rank 51, percentile 78)
  - ? Information Systems (Q1, rank 111, percentile 77)
- 2017:
- ? Hardware and Architecture (Q1, rank 16, percentile 89)
  - ? Computer Networks and Communications (Q1, rank 30, percentile 89)
  - ? Information Systems (Q1, rank 33, percentile 87)
  - ? Software (Q1, rank 48, percentile 87)
- ? Source Id: 27306
  - ? Author Ids: 8546192900;7004136693;57053502600;36180166900
  - ? Authoraffiliationids: 60025153;60025153;60025153;60025153
  - ? Corresponding: Bisio I.
- 53.
- ? Title: BeaQoS: Load balancing and deadline management of queues in an OpenFlow SDN switch
  - ? Venue: Computer Networks
  - ? Year: 2016
  - ? Type: Journal
  - ? Subtype: Article
  - ? Citations: 39
  - ? DOI: 10.1016/j.comnet.2016.06.025
  - ? Scopus ID: 2-s2.0-84976587772
  - ? Issn: 13891286
  - ? Volume: 106
  - ? Pages: 161-170
  - ? Authors: Boero L.; Cello M.; Garibotto C.; Marchese M.; Mongelli M.
  - ? Keywords: OpenFlow | Packet loss | SDN | Traffic engineering
  - ? Quartile:
- 2025:
- ? Computer Networks and Communications (Q1, rank 96, percentile 82)
- 2016:
- ? Computer Networks and Communications (Q1, rank 49, percentile 80)
- ? Source Id: 26811
  - ? Author Ids: 57053089400;36025044100;57053502600;7004398165;7005882346
  - ? Authoraffiliationids: 60025153;60021378;60025153;60025153;60021199
  - ? Corresponding: Boero L.
- 54.
- ? Title: Enhancing speaker recognition with multiple observations over mobile networks
  - ? Venue: Proceedings IEEE Global Communications Conference Globecom
  - ? Year: 2016
  - ? Type: Conference Proceeding
  - ? Subtype: Conference Paper
  - ? Citations: 1
  - ? Doi: 10.1109/Glocom.2016.7841816
  - ? Scopus ID: 2-s2.0-85015423599
  - ? Issn: 23340983
  - ? eISSN: 25766813
  - ? Authors: Bisio Igor; Garibotto Chiara; Lavagetto Fabio; Sciarrone Andrea
  - ? Quartile:
- 2025:
- ? Signal Processing (Q2, rank 90, percentile 54)
  - ? Computer Networks and Communications (Q2, rank 260, percentile 52)
  - ? Artificial Intelligence (Q3, rank 262, percentile 47)

- ? Hardware and Architecture (Q3, rank 129, percentile 45)  
? Source Id: 21101199922  
? Author Ids: 8546192900;57053502600;7004136693;36180166900  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Bisio I.
55.  
? Title: Management of non-conformant traffic in OpenFlow environments  
? Venue: Proceedings of the 2015 International Symposium on Performance Evaluation of Computer and Telecommunication Systems Spects 2015 Part of Summersim 2015 Multiconference  
? Year: 2015  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 3  
? Doi: 10.1109/Spects.2015.7285293  
? Scopus ID: 2-s2.0-84992110517  
? Authors: Boero Luca; Cello Marco; Garibotto Chiara; Marchese Mario; Mongelli Maurizio  
? Keywords: Open Flow | Packet Loss | SDN | Traffic Engineering  
? Source Id: 21100782661  
? Author Ids: 57053089400;36025044100;57053502600;7004398165;7005882346  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60021199  
? Corresponding: Boero L.
56.  
? Title: Management of non-conformant traffic in OpenFlow environments  
? Venue: Simulation Series  
? Year: 2015  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? Scopus ID: 2-s2.0-84954092511  
? Issn: 07359276  
? Volume: 47  
? Issue: 9  
? Pages: 157-162  
? Authors: Boero Luca; Cello Marco; Garibotto Chiara; Marchese Mario; Mongelli Maurizio  
? Keywords: OpenFlow | Packet loss | SDN | Traffic engineering  
? Quartile:  
2025:  
? Computer Networks and Communications (Q4, rank 535, percentile 2)  
? Source Id: 12193  
? Author Ids: 57053089400;36025044100;57053502600;7004398165;7005882346  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60021199  
? Corresponding: Boero L.