

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/lotm.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/lcc52391.2025.11161454

? 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/lcc52391.2025.11160982
? 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; Iskra 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;60025153-131352891
? 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;60025153-130390328;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;60025153;114935376;60104488;60007511;60007511;60025153;60007511;60003970;60007511;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/lcc40277.2020.9149017
? 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/lcc.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.