MARCENARO LUCIO

Overview
? Unit: ICT
? Role: Professore associato
? Grade: Prof.Associato Legge 240/10 - t.pieno - classe 2
? SSD: IINF-03/A (Telecomunicazioni)
? Scopus ID: 6603377664
? Unige Id: 056825
? Retrieved at: 2025-11-14T15:17:35.703859

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? Phone: +39 010 33 52060
? Website: http://ginevra.dibe.unige.it/isip40/
? Page: https://rubrica.unige.it/personale/VUZBU1hs
? Locations: Opera Pia - padiglione C (Ex CNR) (ED161450501), 2´° piano, US161450501.II.013

Career
? Ru, 2012-05-01 ? 2021-02-28
? Pa, 2021-03-01 ? 2222-02-02

Responsibilities
? Title: Coordinatore di Corso di studio
  ? Unit: Consiglio Del Corso Di Laurea In Ingegneria Elettronica
  ? Period: 2025-09-09 ? 2028-10-31

Teaching
2025
? Fundamentals Of Telecommunications And Signal Processing (114623), L-8 - Ingegneria Informatica
? Fundamentals Of Telecommunications And Signal Processing (114623), L-8 - Ingegneria Informatica
? Segnali E Sistemi Per Le Telecomunicazioni (72512), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Multimedia Signal Processing For Autonomous Systems (104780), Lm-27 - Internet And Multimedia Engineering
? Pervasive Dynamic Electronics (114766), Lm-29 - Electronic Engineering
? Python (118063), Lm-27 - Internet And Multimedia Engineering

2024
? Pervasive Electronics (108730), Lm-29 - Ingegneria Elettronica
? Fondamenti Di Programmazione Per L'Elaborazione Di Segnali E Dati (111042), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Fondamenti Di Programmazione Per L'Elaborazione Di Segnali E Dati (111042), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Multimedia Signal Processing For Autonomous Systems (104780), Lm-27 - Internet And Multimedia Engineering
? Integrated Sensing And Communications (114763), Lm-29 - Electronic Engineering

2023
? Pervasive Electronics (108730), Lm-29 - Ingegneria Elettronica
? Fondamenti Di Programmazione Per L'Elaborazione Di Segnali E Dati (111042), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione

? Multimedia Signal Processing For Autonomous Systems (104780), Lm-27 - Internet And Multimedia Engineering

2022
? Human- Computer Interac. & Pervasive Electr. Mod.B (72394), Lm-29 - Ingegneria Elettronica
? Fondamenti Di Programmazione (66061), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Multimedia Signal Processing For Autonomous Systems (104780), Lm-27 - Internet And Multimedia Engineering

2021
? Human- Computer Interac. & Pervasive Electr. Mod.B (72394), Lm-29 - Ingegneria Elettronica
? Laboratorio Di Informatica E Telematica (94721), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Multimedia Signal Processing For Autonomous Systems (104780), Lm-27 - Internet And Multimedia Engineering

2020
? Human- Computer Interac. & Pervasive Electr. Mod.B (72394), Lm-29 - Ingegneria Elettronica
? Laboratorio Di Informatica E Telematica (94721), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione

Scopus Metrics
? absolute; Docs: 214; Journals: 65; Conferences: 130; Citations: 2775; H-index: 24
? 15 years (2010-2025); Docs: 187; Journals: 57; Conferences: 112; Citations: 2241; H-index: 21
? 10 years (2015-2025); Docs: 148; Journals: 54; Conferences: 80; Citations: 1867; H-index: 19
? 05 years (2020-2025); Docs: 72; Journals: 35; Conferences: 34; Citations: 541; H-index: 14

Scopus Products
1.
  ? Title: Bayesian Geometric-based Interactions Learning Model for Self-aware Autonomous Agents
  ? Venue: Signal Processing
  ? Year: 2026
  ? Type: Journal
  ? Subtype: Article
  ? Citations: 1
  ? DOI: 10.1016/j.sigpro.2025.110237
  ? Scopus ID: 2-s2.0-105013855324
  ? Issn: 01651684
  ? Volume: 239
  ? Authors: Iqbal Hafsa; Marin Pablo; Marcenaro Lucio; Gomez David Martin; Regazzioni Carlo
  ? Keywords: Active/passive interactions | Autobiographical Memory | Incremental learning | Interactive Geometrical Markov Jump Particle Filter | Interactive Hierarchical Generalized Dynamic Bayesian Network
  ? Quartile:
    2025:

? Signal Processing (Q1, rank 25, percentile 87)
? Computer Vision and Pattern Recognition (Q1, rank 27, percentile 84)
? Electrical and Electronic Engineering (Q1, rank 166, percentile 83)
? Control and Systems Engineering (Q1, rank 71, percentile 81)
? Software (Q1, rank 101, percentile 79)
? Source Id: 25548
? Author Ids: 57210995304;57190806708;6603377664;59388326900;60058505600
? Authoraffiliationids: 60025153-60001741;60001741;60025153;60001741;60025153
? Corresponding: Iqbal H.

2.
? Title: Vehicle localization in an explainable dynamic Bayesian network framework for self-aware agents
? Venue: Information Fusion
? Year: 2025
? Type: Journal
? Subtype: Article
? Citations: 1
? DOI: 10.1016/j.inffus.2025.103136
? Scopus ID: 2-s2.0-105002287594
? Issn: 15662535
? Volume: 122
? Authors: Slavic Giulia; Zontone Pamela; Marcenaro Lucio; Gˆ‡mez David Martˆ›n; Regazzoni Carlo
? Keywords: Anomaly detection | Dynamic Bayesian networks | Explainable machine learning | Visual-based localization
? Quartile:
  2025:
  ? Hardware and Architecture (Q1, rank 2, percentile 99)
  ? Information Systems (Q1, rank 6, percentile 98)
  ? Signal Processing (Q1, rank 3, percentile 98)
  ? Software (Q1, rank 12, percentile 97)
? Source Id: 26099
? Author Ids: 57218159779;12805791200;6603377664;59388326900;35513672400
? Authoraffiliationids: 60025153-60001741;60025153;60025153;60001741;60025153
? Corresponding: Slavic G.

3.
? Title: Toward Autonomous UAV Swarm Navigation: A Review of Trajectory Design Paradigms
? Venue: Sensors
? Year: 2025
? Type: Journal
? Subtype: Review
? Citations: 0
? DOI: 10.3390/s25185877
? Scopus ID: 2-s2.0-105017224051
? eISSN: 14248220
? Volume: 25
? Issue: 18
? Authors: Arshid Kaleem; Krayani Ali; Marcenaro Lucio; Gomez David Martin; Regazzoni Carlo
? Keywords: artificial intelligence | bio-inspired algorithms | collision avoidance | MTSP | multi-agent systems | swarm robotics | trajectory planning | UAV swarm | unmanned aerial vehicles
? Quartile:

2025:
- Instrumentation (Q1, rank 19, percentile 90)
- Electrical and Electronic Engineering (Q1, rank 136, percentile 86)
- Atomic and Molecular Physics, and Optics (Q1, rank 36, percentile 85)
- Biochemistry (Q1, rank 72, percentile 84)
- Information Systems (Q1, rank 87, percentile 82)
- Analytical Chemistry (Q1, rank 30, percentile 82)
- Source Id: 130124
- Author Ids: 57215812954;57211429954;6603377664;59388326900;35513672400
- Authoraffiliationids: 60025153-60001741;60025153;60025153;60001741;60025153
- Corresponding: Arshid K.

4.
- Title: A Generative Model Approach for LiDAR-Based Classification and Ego Vehicle Localization Using Dynamic Bayesian Networks
- Venue: Applied Sciences Switzerland
- Year: 2025
- Type: Journal
- Subtype: Article
- Citations: 0
- DOI: 10.3390/app15095181
- Scopus ID: 2-s2.0-105004880386
- eISSN: 20763417
- Volume: 15
- Issue: 9
- Authors: Adnan Muhammad; Zontone Pamela; Martˆ›n Gˆ‡mez David; Marcenaro Lucio; Regazzoni Carlo
- Keywords: anomaly detection | autonomous vehicle navigation | Dynamic Bayesian Networks | interaction dictionaries | LiDAR-based localization | Markov Jump Particle Filter | probabilistic modeling | track classification
- Quartile:
  2025:
- Engineering (all) (Q1, rank 69, percentile 80)
- Instrumentation (Q1, rank 38, percentile 80)
- Fluid Flow and Transfer Processes (Q1, rank 21, percentile 79)
- Computer Science Applications (Q2, rank 294, percentile 70)
- Materials Science (all) (Q2, rank 166, percentile 64)
- Process Chemistry and Technology (Q2, rank 34, percentile 55)
- Source Id: 21100829268
- Author Ids: 58488399400;12805791200;59746433000;6603377664;35513672400
- Authoraffiliationids: 60025153-60001741;60025153;60001741;60025153;60025153
- Corresponding: Adnan M.

5.
- Title: Modeling Interactions between Autonomous Agents in a Multi-Agent Self-Awareness Architecture
- Venue: IEEE Transactions on Multimedia
- Year: 2025
- Type: Journal
- Subtype: Article
- Citations: 2
- Doi: 10.1109/Tmm.2025.3543110
- Scopus ID: 2-s2.0-85218784759
- Issn: 15209210
- eISSN: 19410077
- Volume: 27

6.

7.

? Scopus ID: 2-s2.0-105015476856
? Pages: 137-142
? Authors: Slavic Giulia; Marcenaro Lucio; Gomez David Martin; Regazzoni Carlo
? Keywords: ArUco markers | drone sensors | indoor drone | Lidar | localization | visual inertial odometry
? Source Id: 21101329124
? Author Ids: 57218159779;6603377664;59388326900;35513672400
? Authoraffiliationids: 60025153;60025153;60001741;60025153
? Corresponding: Slavic G.

8.
? Title: UAV Swarm Trajectory Design for Wireless Networks Using Genetic Algorithm-Driven Repulsion Forces
? Venue: IEEE Access
? Year: 2025
? Type: Journal
? Subtype: Article
? Citations: 1
? Doi: 10.1109/Access.2025.3606121
? Scopus ID: 2-s2.0-105015180850
? eISSN: 21693536
? Volume: 13
? Pages: 155657-155674
? Authors: Arshid Kaleem; Krayani Ali; Marcenaro Lucio; Martin Gomez David; Regazzoni Carlo
? Keywords: collision avoidance | genetic algorithm | repulsion force | trajectory design | UAV swarm
? 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)
? Source Id: 21100374601
? Author Ids: 57215812954;57211429954;6603377664;59746433000;35513672400
? Authoraffiliationids: 60025153-60001741;60025153;60025153;60001741;60025153
? Corresponding: Arshid K.

9.
? Title: Explainable Reinforcement Learning for Trajectory Design in UAV-assisted Wireless Networks
? Venue: ICASSP IEEE International Conference on Acoustics Speech and Signal Processing Proceedings
? Year: 2025
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Icassp49660.2025.10890737
? Scopus ID: 2-s2.0-105009757592
? Issn: 15206149
? Authors: Krayani Ali; Khan Khalid; Marcenaro Lucio; Regazzoni Carlo
? Keywords: Irl | Rl | Tsp | Uav | Xrl
? Source Id: 110544
? Author Ids: 57211429954;57216893532;6603377664;35513672400
? Authoraffiliationids: 60025153-60103966;60025153;60025153-60103966;60025153-60103966
? Corresponding: Krayani A.

10.

? Title: Exploring action-oriented models via active inference for autonomous vehicles
? Venue: Eurasip Journal on Advances in Signal Processing
? Year: 2024
? Type: Journal
? Subtype: Article
? Citations: 0
? DOI: 10.1186/s13634-024-01173-9
? Scopus ID: 2-s2.0-85208435018
? Issn: 16876172
? eISSN: 16876180
? Volume: 2024
? Issue: 1
? Authors: Nozari Sheida; Krayani Ali; Marin Pablo; Marcenaro Lucio; Gomez David Martin; Regazzoni Carlo
? Keywords: Action-oriented model | Active inference | Autonomous driving | Bayesian filtering | Imitation learning
? Quartile:
  2025:
  ? Signal Processing (Q2, rank 53, percentile 73)
  ? Electrical and Electronic Engineering (Q2, rank 284, percentile 71)
  ? Hardware and Architecture (Q2, rank 82, percentile 65)
  2024:
  ? Electrical and Electronic Engineering (Q2, rank 313, percentile 67)
  ? Signal Processing (Q2, rank 61, percentile 66)
  ? Hardware and Architecture (Q2, rank 87, percentile 61)
? Source Id: 15300154801
? Author Ids: 57302361700;57211429954;57190806708;6603377664;59388326900;35513672400
? Authoraffiliationids: 60025153-60001741;60025153;60001741;60025153;60001741;60025153
? Corresponding: Nozari S.
11.
? Title: Modeling Autonomous Vehicle Responses to Novel Observations Using Hierarchical Cognitive Representations Inspired Active Inference ?
? Venue: Computers
? Year: 2024
? Type: Journal
? Subtype: Article
? Citations: 5
? DOI: 10.3390/computers13070161
? Scopus ID: 2-s2.0-85199589083
? eISSN: 2073431X
? Volume: 13
? Issue: 7
? Authors: Nozari Sheida; Krayani Ali; Marin Pablo; Marcenaro Lucio; Gomez David Martin; Regazzoni Carlo
? Keywords: action-oriented model | active inference | autonomous driving | Bayesian learning | imitation learning | world model
? Quartile:
  2025:
  ? Computer Science (miscellaneous) (Q1, rank 26, percentile 85)
  ? Computer Networks and Communications (Q1, rank 90, percentile 83)
  ? Human-Computer Interaction (Q2, rank 55, percentile 71)
  2024:
  ? Computer Science (miscellaneous) (Q1, rank 26, percentile 84)
  ? Computer Networks and Communications (Q1, rank 101, percentile 80)

   ? Human-Computer Interaction (Q2, rank 59, percentile 68)
  ? Source Id: 21100886391
  ? Author Ids: 57302361700;57211429954;57190806708;6603377664;57204878586;35513672400
  ? Authoraffiliationids: 60025153;60025153;60001741;60025153;60001741;60025153
  ? Corresponding: Nozari S.

12.
  ? Title: Classifying Static and Dynamic Tracks for LiDAR-Based Navigation of Autonomous Vehicle Systems
  ? Venue: 2024 9th International Conference on Frontiers of Signal Processing Icfsp 2024
  ? Year: 2024
  ? Type: Conference Proceeding
  ? Subtype: Conference Paper
  ? Citations: 1
  ? Doi: 10.1109/Icfsp62546.2024.10785465
  ? Scopus ID: 2-s2.0-85215671467
  ? Pages: 111-117
  ? Authors: Adnan Muhammad; Zontone Pamela; Marcenaro Lucio; Gomez David Martin; Regazzoni Carlo
  ? Keywords: Autonomous vehicles | Classifications | Clustering | Multi-target tracking
  ? Source Id: 21101270636
  ? Author Ids: 58488399400;12805791200;6603377664;59388326900;35513672400
  ? Authoraffiliationids: 60025153-60001741;60025153;60025153;60001741;60025153
  ? Corresponding: Adnan M.

13.
  ? Title: Incremental Learning Through Fusion of Discrete Anomaly Models from Odometry Signals in Autonomous Agent Navigation
  ? Venue: IEEE Workshop on Signal Processing Systems Sips Design and Implementation
  ? Year: 2024
  ? Type: Conference Proceeding
  ? Subtype: Conference Paper
  ? Citations: 0
  ? DOI: 10.1109/SiPS62058.2024.00023
  ? Scopus ID: 2-s2.0-85213734034
  ? Issn: 15206130
  ? Pages: 83-88
  ? Authors: Humayun Muhammad Farhan; Zontone Pamela; Marcenaro Lucio; Gˆ‡mez David Martˆ›n; Regazzoni Carlo
  ? Keywords: Adaptive Particle filtering | Anomaly detection | Generative model fusion | Incremental learning | Self-aware agent
  ? Quartile:
   2025:
   ? Signal Processing (Q3, rank 110, percentile 43)
   ? Applied Mathematics (Q3, rank 379, percentile 43)
   ? Electrical and Electronic Engineering (Q3, rank 593, percentile 40)
   ? Hardware and Architecture (Q3, rank 165, percentile 29)
   2024:
   ? Applied Mathematics (Q2, rank 252, percentile 62)
   ? Signal Processing (Q2, rank 86, percentile 53)
   ? Electrical and Electronic Engineering (Q2, rank 470, percentile 51)
   ? Hardware and Architecture (Q3, rank 131, percentile 41)
  ? Source Id: 26058
  ? Author Ids: 57762469100;12805791200;6603377664;59388326900;35513672400
  ? Authoraffiliationids: 60025153-60001741;60025153;60025153;60001741;60025153
  ? Corresponding: Humayun M.F.

14.
  ? Title: Learning 3D LiDAR Perception Models for Self-Aware Autonomous Systems
  ? Venue: Fusion 2024 27th International Conference on Information Fusion
  ? Year: 2024
  ? Type: Conference Proceeding
  ? Subtype: Conference Paper
  ? Citations: 2
  ? Doi: 10.23919/Fusion59988.2024.10706364
  ? Scopus ID: 2-s2.0-85207695150
  ? Authors: Memon Saleemullah; Krayani Ali; Zontone Pamela; Marcenaro Lucio; Gomez David Martin; Regazzoni Carlo
  ? Keywords: 3D LiDAR | Generative Dynamic Bayesian Network (GDBN) | Intelligent Transportation Systems (ITSs) | Self-Awareness
  ? Source Id: 21101256248
  ? Author Ids: 57209179084;57211429954;12805791200;6603377664;59388326900;35513672400
  ? Authoraffiliationids: 60025153-60001741;60025153;60025153;60025153;60001741;60025153
  ? Corresponding: Memon S.
15.
  ? Title: Integrated Learning and Decision Making for Autonomous Agents through Energy based Bayesian Models
  ? Venue: Fusion 2024 27th International Conference on Information Fusion
  ? Year: 2024
  ? Type: Conference Proceeding
  ? Subtype: Conference Paper
  ? Citations: 1
  ? Doi: 10.23919/Fusion59988.2024.10706431
  ? Scopus ID: 2-s2.0-85207692161
  ? Authors: Alemaw Abrham Shiferaw; Zontone Pamela; Marcenaro Lucio; Marin Pablo; Gomez David Martin; Regazzoni Carlo
  ? Source Id: 21101256248
  ? Author Ids: 57473774100;12805791200;6603377664;57190806708;59388326900;35513672400
  ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
  ? Corresponding: Alemaw A.S.
16.
  ? Title: Joint Data-Driven Analysis of Visual-Odometric Anomaly Signals in Generative Ai-Based Agents
  ? Venue: 2024 IEEE International Conference on Acoustics Speech and Signal Processing Workshops Icasspw 2024 Proceedings
  ? Year: 2024
  ? Type: Conference Proceeding
  ? Subtype: Conference Paper
  ? Citations: 1
  ? Doi: 10.1109/Icasspw62465.2024.10626634
  ? Scopus ID: 2-s2.0-85202443570
  ? Pages: 264-268
  ? Authors: Slavic Giulia; Bracco Mattia; Marcenaro Lucio; Gˆ‡mez David Martˆ›n; Regazzoni Carlo; Zontone Pamela
  ? Keywords: anomaly detection | explainability | Kalman filtering | particle filtering | Variational autoencoder
  ? Source Id: 21101245171
  ? Author Ids: 57218159779;59302446500;6603377664;57204878586;35513672400;12805791200
  ? Authoraffiliationids: 60025153-60001741;60025153;60025153;60001741;60025153;60025153
  ? Corresponding: Slavic G.
17.

? Title: Interactive Bayesian Generative Models for Abnormality Detection in Vehicular Networks
? Venue: IEEE Wireless Communications and Networking Conference Wcnc
? Year: 2024
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Wcnc57260.2024.10570781
? Scopus ID: 2-s2.0-85198846446
? Issn: 15253511
? Authors: William Nobel J.; Krayani Ali; Marcenaro Lucio; Regazzoni Carlo
? Keywords: Abnormality detection | Generative Bayesian models | Jammer detection | V2X | Vehicular networks
? Quartile:
  2025:
  ? Engineering (all) (Q2, rank 148, percentile 57)
  2024:
  ? Engineering (all) (Q2, rank 133, percentile 61)
? Source Id: 145653
? Author Ids: 57824317700;57211429954;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: William N.J.
18.
? Title: Self-Supervised Path Planning In Uav-Aided Wireless Networks Based On Active Inference
? Venue: ICASSP IEEE International Conference on Acoustics Speech and Signal Processing Proceedings
? Year: 2024
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 6
? Doi: 10.1109/Icassp48485.2024.10446575
? Scopus ID: 2-s2.0-105001474583
? Issn: 15206149
? Pages: 13181-13185
? Authors: Krayani Ali; Khan Khalid; Marcenaro Lucio; Marchese Mario; Regazzoni Carlo
? Keywords: path planning | self-supervision | traveling salesman | UAV | world model
? Source Id: 110544
? Author Ids: 57211429954;57216893532;6603377664;7004398165;35513672400
? Authoraffiliationids: 60025153-60103966;60025153;60025153-60103966;60025153-60103966;60025153-60103966
? Corresponding: Krayani A.
19.
? Title: Synthetic Speech Attribution: Highlights From the IEEE Signal Processing Cup 2022 Student Competition [SP Competitions]
? Venue: IEEE Signal Processing Magazine
? Year: 2023
? Type: Journal
? Subtype: Article
? Citations: 2
? Doi: 10.1109/Msp.2023.3268823
? Scopus ID: 2-s2.0-85172226041
? Issn: 10535888
? eISSN: 15580792

? Authors: Salvi Davide; Borrelli Clara; Bestagini Paolo; Antonacci Fabio; Stamm Matthew; Marcenaro Lucio; Majumdar Angshul
? Quartile:
 2025:
 ? Applied Mathematics (Q1, rank 4, percentile 99)
 ? Signal Processing (Q1, rank 4, percentile 98)
 ? Electrical and Electronic Engineering (Q1, rank 21, percentile 97)
 2023:
 ? Applied Mathematics (Q1, rank 2, percentile 99)
 ? Electrical and Electronic Engineering (Q1, rank 8, percentile 99)
 ? Signal Processing (Q1, rank 2, percentile 98)
? Source Id: 12996
? Author Ids:
57222181353;57204830553;21638596100;24340514700;34870520200;6603377664;23971203100
? Authoraffiliationids: 60023256;60023256;60023256;60023256;60139971;60025153;60105479
? Corresponding: Salvi D.
20.
? Title: A Goal-Directed Trajectory Planning Using Active Inference in UAV-Assisted Wireless Networks
? Venue: Sensors
? Year: 2023
? Type: Journal
? Subtype: Article
? Citations: 7
? DOI: 10.3390/s23156873
? Scopus ID: 2-s2.0-85167741786
? Issn: 14248220
? Volume: 23
? Issue: 15
? Authors: Krayani Ali; Khan Khalid; Marcenaro Lucio; Marchese Mario; Regazzoni Carlo
? Keywords: active inference | AI-enabled radios | trajectory design | traveling salesman problem | UAVs | wireless networks | world models
? Quartile:
 2025:
 ? Instrumentation (Q1, rank 19, percentile 90)
 ? Electrical and Electronic Engineering (Q1, rank 136, percentile 86)
 ? Atomic and Molecular Physics, and Optics (Q1, rank 36, percentile 85)
 ? Biochemistry (Q1, rank 72, percentile 84)
 ? Information Systems (Q1, rank 87, percentile 82)
 ? Analytical Chemistry (Q1, rank 30, percentile 82)
 2023:
 ? Instrumentation (Q1, rank 24, percentile 83)
 ? Electrical and Electronic Engineering (Q1, rank 163, percentile 79)
 ? Atomic and Molecular Physics, and Optics (Q1, rank 48, percentile 78)
 ? Analytical Chemistry (Q1, rank 36, percentile 77)
 ? Information Systems (Q1, rank 91, percentile 77)
 ? Biochemistry (Q2, rank 133, percentile 69)
? Source Id: 130124
? Author Ids: 57211429954;57216893532;6603377664;7004398165;35513672400
? Authoraffiliationids:
60025153-60103966;60025153;60025153-60103966;60025153-60103966;60025153-60103966

? Corresponding: Krayani A.

21.
? Title: Systematic and Comprehensive Review of Clustering and Multi-Target Tracking Techniques for LiDAR Point Clouds in Autonomous Driving Applications
? Venue: Sensors
? Year: 2023
? Type: Journal
? Subtype: Review
? Citations: 18
? DOI: 10.3390/s23136119
? Scopus ID: 2-s2.0-85164845235
? Issn: 14248220
? Volume: 23
? Issue: 13
? Authors: Adnan Muhammad; Slavic Giulia; Martin Gomez David; Marcenaro Lucio; Regazzoni Carlo
? Keywords: 3D point cloud segmentation | autonomous vehicles (AVs) | clustering algorithms | deep learning | LiDAR (Light Detection and Ranging) | Multi-Target Tracking (MTT) | object detection | point clouds | sensor fusion
? Quartile:
  2025:
  ? Instrumentation (Q1, rank 19, percentile 90)
  ? Electrical and Electronic Engineering (Q1, rank 136, percentile 86)
  ? Atomic and Molecular Physics, and Optics (Q1, rank 36, percentile 85)
  ? Biochemistry (Q1, rank 72, percentile 84)
  ? Information Systems (Q1, rank 87, percentile 82)
  ? Analytical Chemistry (Q1, rank 30, percentile 82)
  2023:
  ? Instrumentation (Q1, rank 24, percentile 83)
  ? Electrical and Electronic Engineering (Q1, rank 163, percentile 79)
  ? Atomic and Molecular Physics, and Optics (Q1, rank 48, percentile 78)
  ? Analytical Chemistry (Q1, rank 36, percentile 77)
  ? Information Systems (Q1, rank 91, percentile 77)
  ? Biochemistry (Q2, rank 133, percentile 69)
  ? Source Id: 130124
  ? Author Ids: 58488399400;57218159779;57204878586;6603377664;35513672400
  ? Authoraffiliationids: 60025153-60001741;60025153-60001741;60001741;60025153;60025153
  ? Corresponding: Adnan M.

22.
? Title: Adapting Exploratory Behaviour in Active Inference for Autonomous Driving
? Venue: ICASSP IEEE International Conference on Acoustics Speech and Signal Processing Proceedings
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.1109/Icassp49357.2023.10096947
? Scopus ID: 2-s2.0-86000375717
? Issn: 15206149
? Volume: 2023-June
? Authors: Nozari Sheida; Krayani Ali; Marin Pablo; Marcenaro Lucio; Martin David; Regazzoni Carlo
? Keywords: Active Inference | Bayesian Inference | Exploratory Action | Free Energy | Generative Model

? Source Id: 110544
? Author Ids: 57302361700;57211429954;57190806708;6603377664;59368746600;35513672400
? Authoraffiliationids: 60025153-60001741;60025153;60001741;60025153;60001741;60025153
? Corresponding: Nozari S.

23.
? Title: Active Inference for Sum Rate Maximization in UAV-Assisted Cognitive NOMA Networks
? Venue: 2023 IEEE World Forum on Internet of Things the Blue Planet A Marriage of Sea and Space Wf Iot 2023
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? DOI: 10.1109/WF-IoT58464.2023.10539543
? Scopus ID: 2-s2.0-85195394975
? Authors: Obite Felix; Krayani Ali; Alam Atm S.; Marcenaro Lucio; Nallanathan Arumugam; Regazzoni Carlo
? Keywords: Active Inference | Cognitive Radio | NOMA | UAV
? Source Id: 21101226883
? Author Ids: 57191589599;57211429954;49862669300;6603377664;6603561059;35513672400
? Authoraffiliationids: 60025153-60022109;60025153;60022109;60025153;60022109;60025153
? Corresponding: Obite F.

24.
? Title: Intelligent Resource Allocation for UAV-Based Cognitive NOMA Networks: An Active Inference Approach
? Venue: Proceedings 2023 IEEE Future Networks World Forum Future Networks Imagining the Network of the Future Fnwf 2023
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Doi: 10.1109/Fnwf58287.2023.10520397
? Scopus ID: 2-s2.0-85194170647
? Authors: Obite Felix; Krayani Ali; Alam Atm S.; Marcenaro Lucio; Nallanathan Arumugam; Regazzoni Carlo
? Keywords: Active Inference | NOMA | Resource Allocation | UAV
? Source Id: 21101224848
? Author Ids: 57191589599;57211429954;49862669300;6603377664;6603561059;35513672400
? Authoraffiliationids: 60025153-60022109;60025153;60022109;60025153;60022109;60025153
? Corresponding: Obite F.

25.
? Title: Self-awareness in Cyber-Physical Systems: Recent Developments and Open Challenges
? Venue: Proceedings Design Automation and Test in Europe Date
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.23919/Date56975.2023.10137197
? Scopus ID: 2-s2.0-85162664809
? Issn: 15301591
? Volume: 2023-April
? Authors: Esterle Lukas; Dutt Nikil; Gruhl Christian; Lewis Peter R.; Marcenaro Lucio; Regazzoni Carlo; Jantsch Axel

? Keywords: autonomy | cyber-physical systems | reflection | self-awareness
? Quartile:
  2025:
  ? Engineering (all) (Q3, rank 218, percentile 37)
? Source Id: 5400152603
? Author Ids:
49963334900;7006041384;56709554800;55702433500;6603377664;35513672400;6701769322
? Authoraffiliationids: 60029616;60007278;60018123;60002146;60025153;60025153;60018163
? Corresponding: Esterle L.

26.
? Title: Integrated Sensing and Communication for Joint GPS Spoofing and Jamming Detection in Vehicular V2X Networks
? Venue: IEEE Wireless Communications and Networking Conference Wcnc
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 9
? Doi: 10.1109/Wcnc55385.2023.10118852
? Scopus ID: 2-s2.0-85159775273
? Issn: 15253511
? Volume: 2023-March
? Authors: Krayani Ali; Barabino Gabriele; Marcenaro Lucio; Regazzoni Carlo
? Keywords: 6G | GPS spoofing | ISAC | Jamming | V2X
? Quartile:
  2025:
  ? Engineering (all) (Q2, rank 148, percentile 57)
? Source Id: 145653
? Author Ids: 57211429954;58109175400;6603377664;35513672400
? Authoraffiliationids:
60025153-60103966;60025153-60103966;60025153-60103966;60025153-60103966
? Corresponding: Krayani A.

27.
? Title: A Kalman Variational Autoencoder Model Assisted by Odometric Clustering for Video Frame Prediction and Anomaly Detection
? Venue: IEEE Transactions on Image Processing
? Year: 2023
? Type: Journal
? Subtype: Article
? Citations: 13
? Doi: 10.1109/Tip.2022.3229620
? Scopus ID: 2-s2.0-85146228107
? Issn: 10577149
? eISSN: 19410042
? Volume: 32
? Pages: 415-429
? Authors: Slavic Giulia; Alemaw Abrham Shiferaw; Marcenaro Lucio; Martin Gomez David; Regazzoni Carlo
? Keywords: anomaly detection | Kalman filter | linear prediction models | multi-modality | Variational autoencoder
? Quartile:
  2025:
  ? Computer Graphics and Computer-Aided Design (Q1, rank 3, percentile 98)
  ? Software (Q1, rank 15, percentile 97)
  2023:

? Computer Graphics and Computer-Aided Design (Q1, rank 2, percentile 98)
  ? Software (Q1, rank 15, percentile 96)
? Source Id: 25534
? Author Ids: 57218159779;57473774100;6603377664;57204878586;35513672400
? Authoraffiliationids:
60025153-60001741-60103966;60025153-60001741;60103966;60001741;60103966
? Corresponding: Slavic G.

28.
  ? Title: Autonomous Driving Based on Imitation and Active Inference
  ? Venue: Lecture Notes in Networks and Systems
  ? Year: 2023
  ? Type: Book Series
  ? Subtype: Conference Paper
  ? Citations: 1
  ? Doi: 10.1007/978-3-031-16281-7_2
  ? Scopus ID: 2-s2.0-85137978554
  ? Issn: 23673370
  ? eISSN: 23673389
  ? Volume: 546 Lnns
  ? Pages: 13-22
  ? Authors: Nozari Sheida; Krayani Ali; Marin Pablo; Marcenaro Lucio; Martin David; Regazzoni Carlo
  ? Keywords: Active inference | Dynamic Bayesian Network | Imitation Learning | Motion prediction
  ? Quartile:
   2025:
   ? Signal Processing (Q3, rank 146, percentile 25)
   ? Computer Networks and Communications (Q3, rank 410, percentile 25)
   ? Control and Systems Engineering (Q4, rank 302, percentile 20)
   2023:
   ? Signal Processing (Q4, rank 113, percentile 14)
   ? Control and Systems Engineering (Q4, rank 277, percentile 13)
   ? Computer Networks and Communications (Q4, rank 354, percentile 10)
  ? Source Id: 21100901469
  ? Author Ids: 57302361700;57211429954;57190806708;6603377664;59368746600;35513672400
  ? Authoraffiliationids: 60025153-60001741;60025153;60001741;60025153;60001741;60025153
  ? Corresponding: Nozari S.

29.
  ? Title: Automatic Jamming Signal Classification in Cognitive UAV Radios
  ? Venue: IEEE Transactions on Vehicular Technology
  ? Year: 2022
  ? Type: Journal
  ? Subtype: Article
  ? Citations: 31
  ? Doi: 10.1109/Tvt.2022.3199038
  ? Scopus ID: 2-s2.0-85136902815
  ? Issn: 00189545
  ? eISSN: 19399359
  ? Volume: 71
  ? Issue: 12
  ? Pages: 12972-12988
  ? Authors: Krayani Ali; Alam Atm Shafiul; Marcenaro Lucio; Nallanathan Arumugam; Regazzoni Carlo
  ? Keywords: Bayesian filtering | cognitive radio | dynamic Bayesian network |

modulation recognition | unmanned aerial vehicles
? 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)
 2022:
 ? Aerospace Engineering (Q1, rank 4, percentile 97)
 ? Automotive Engineering (Q1, rank 4, percentile 96)
 ? Computer Networks and Communications (Q1, rank 17, percentile 95)
 ? Electrical and Electronic Engineering (Q1, rank 38, percentile 94)
? Source Id: 17393
? Author Ids: 57211429954;49862669300;6603377664;6603561059;35513672400
? Authoraffiliationids:
60025153-60022109;60022109;60025153-60103966;60022109;60025153-60103966
? Corresponding: Krayani A.
30.
? Title: A Novel Resource Allocation for Anti-Jamming in Cognitive-UAVs: An Active
Inference Approach
? Venue: IEEE Communications Letters
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 18
? Doi: 10.1109/Lcomm.2022.3190971
? Scopus ID: 2-s2.0-85135243099
? Issn: 10897798
? eISSN: 15582558
? Volume: 26
? Issue: 10
? Pages: 2272-2276
? Authors: Krayani Ali; Alam Atm S.; Marcenaro Lucio; Nallanathan Arumugam; Regazzoni
Carlo
? Keywords: Active inference | anti-jamming | cognitive radio | generalized Bayesian
filtering | resource allocation
? Quartile:
 2025:
 ? Modeling and Simulation (Q1, rank 25, percentile 93)
 ? Electrical and Electronic Engineering (Q1, rank 140, percentile 86)
 ? Computer Science Applications (Q1, rank 167, percentile 83)
 2022:
 ? Modeling and Simulation (Q1, rank 27, percentile 91)
 ? Electrical and Electronic Engineering (Q1, rank 124, percentile 83)
 ? Computer Science Applications (Q1, rank 153, percentile 80)
? Source Id: 18896
? Author Ids: 57211429954;49862669300;6603377664;6603561059;35513672400
? Authoraffiliationids:
60025153-60022109;60022109;60025153-116308428;60022109;60025153-116308428
? Corresponding: Krayani A.
31.
? Title: Modeling Perception in Autonomous Vehicles via 3D Convolutional
Representations on LiDAR
? Venue: IEEE Transactions on Intelligent Transportation Systems

? Quartile:
  2025:
  ? Automotive Engineering (Q1, rank 2, percentile 98)
  ? Mechanical Engineering (Q1, rank 15, percentile 98)
  ? Computer Science Applications (Q1, rank 26, percentile 97)
  2022:
  ? Mechanical Engineering (Q1, rank 25, percentile 96)
  ? Automotive Engineering (Q1, rank 7, percentile 94)
  ? Computer Science Applications (Q1, rank 51, percentile 93)

32.
  ? Title: An Emergent Self-Awareness Module for Physical Layer Security in Cognitive UAV Radios
  ? Venue: IEEE Transactions on Cognitive Communications and Networking
  ? Quartile:
  2025:
  ? Hardware and Architecture (Q1, rank 15, percentile 93)
  ? Computer Networks and Communications (Q1, rank 39, percentile 92)
  ? Artificial Intelligence (Q1, rank 55, percentile 88)
  2022:
  ? Computer Networks and Communications (Q1, rank 20, percentile 94)

- ? Hardware and Architecture (Q1, rank 10, percentile 94)
- ? Artificial Intelligence (Q1, rank 28, percentile 90)
- ? Source Id: 21100854831
- ? Author Ids: 57211429954;49862669300;6603377664;6603561059;35513672400
- ? Authoraffiliationids: 60025153-60022109;60022109;60025153-60103966;60022109;60025153-60103966
- ? Corresponding: Krayani A.

33.
- ? Title: Privacy-Preserving in-Bed Human Pose Estimation: Highlights from the IEEE Video and Image Processing Cup 2021 Student Competition [SP Competitions]
- ? Venue: IEEE Signal Processing Magazine
- ? Year: 2022
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 2
- ? Doi: 10.1109/Msp.2021.3139587
- ? Scopus ID: 2-s2.0-85130139401
- ? Issn: 10535888
- ? eISSN: 15580792
- ? Volume: 39
- ? Issue: 3
- ? Pages: 121-129
- ? Authors: Liu Shuangjun; Huang Xiaofei; Marcenaro Lucio; Ostadabbas Sarah
- ? Quartile:
  2025:
  - ? Applied Mathematics (Q1, rank 4, percentile 99)
  - ? Signal Processing (Q1, rank 4, percentile 98)
  - ? Electrical and Electronic Engineering (Q1, rank 21, percentile 97)
  2022:
  - ? Applied Mathematics (Q1, rank 2, percentile 99)
  - ? Signal Processing (Q1, rank 2, percentile 98)
  - ? Electrical and Electronic Engineering (Q1, rank 12, percentile 98)
- ? Source Id: 12996
- ? Author Ids: 57201855342;57194874486;6603377664;24483832100
- ? Authoraffiliationids: 60141202;60141202;60025153;60141202
- ? Corresponding: Liu S.

34.
- ? Title: Automatic Medical Image Diagnosis: Highlights from the 2021 IEEE 5-Minute Video Clip Contest [SP Competitions]
- ? Venue: IEEE Signal Processing Magazine
- ? Year: 2022
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 3
- ? Doi: 10.1109/Msp.2022.3145348
- ? Scopus ID: 2-s2.0-85130113943
- ? Issn: 10535888
- ? eISSN: 15580792
- ? Volume: 39
- ? Issue: 3
- ? Pages: 130-134
- ? Authors: Thomaz Lucas A.; Faria Sergio M.M.; Tavora Luis M.N.; Marcenaro Lucio
- ? Quartile:
  2025:

  ? Applied Mathematics (Q1, rank 4, percentile 99)
  ? Signal Processing (Q1, rank 4, percentile 98)
  ? Electrical and Electronic Engineering (Q1, rank 21, percentile 97)
  2022:
  ? Applied Mathematics (Q1, rank 2, percentile 99)
  ? Signal Processing (Q1, rank 2, percentile 98)
  ? Electrical and Electronic Engineering (Q1, rank 12, percentile 98)
? Source Id: 12996
? Author Ids: 56437597700;57211906829;7003962307;6603377664
? Authoraffiliationids: 60056189;60001359;60056189;60025153
? Corresponding: Thomaz L.A.

35.
? Title: Graph-Powered Interpretable Machine Learning Models for Abnormality Detection in Ego-Things Network
? Venue: Sensors
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 1
? DOI: 10.3390/s22062260
? Scopus ID: 2-s2.0-85126332692
? Issn: 14248220
? Volume: 22
? Issue: 6
? Authors: Thekke Kanapram Divya; Marcenaro Lucio; Martin Gomez David; Regazzoni Carlo
? Keywords: Abnormality detection | Collective-awareness | Dynamic Bayesian network | Interpretability | Markov jump particle filter | Self-awareness
? Quartile:
  2025:
  ? Instrumentation (Q1, rank 19, percentile 90)
  ? Electrical and Electronic Engineering (Q1, rank 136, percentile 86)
  ? Atomic and Molecular Physics, and Optics (Q1, rank 36, percentile 85)
  ? Biochemistry (Q1, rank 72, percentile 84)
  ? Information Systems (Q1, rank 87, percentile 82)
  ? Analytical Chemistry (Q1, rank 30, percentile 82)
  2022:
  ? Instrumentation (Q1, rank 18, percentile 87)
  ? Electrical and Electronic Engineering (Q1, rank 146, percentile 80)
  ? Atomic and Molecular Physics, and Optics (Q1, rank 47, percentile 77)
  ? Analytical Chemistry (Q1, rank 32, percentile 77)
  ? Information Systems (Q1, rank 87, percentile 77)
  ? Biochemistry (Q2, rank 151, percentile 64)
? Source Id: 130124
? Author Ids: 57487822900;6603377664;57204878586;35513672400
? Authoraffiliationids: 60025153-60022109;60025153;60001741;60025153
? Corresponding: Thekke Kanapram D.

36.
? Title: A Data-Driven Approach for the Localization of Interacting Agents via a Multi-Modal Dynamic Bayesian Network Framework
? Venue: Avss 2022 18th IEEE International Conference on Advanced Video and Signal Based Surveillance
? Year: 2022
? Type: Conference Proceeding
? Subtype: Conference Paper

? Citations: 7
? Doi: 10.1109/Avss56176.2022.9959648
? Scopus ID: 2-s2.0-85143907684
? Authors: Alemaw Abrham Shiferaw; Slavic Giulia; Iqbal Hafsa; Marcenaro Lucio; Gomez David Martin; Regazzoni Carlo
? Source Id: 21101125623
? Author Ids: 57473774100;57218159779;57210995304;6603377664;57204878586;35513672400
? Authoraffiliationids:
60025153-60001741;60025153-60001741;60025153-60001741;60025153;60001741;60025153
? Corresponding: Alemaw A.S.

37.
? Title: Simultaneous Localization and Anomaly Detection from First-Person Video Data through a Coupled Dynamic Bayesian Network Model
? Venue: Avss 2022 18th IEEE International Conference on Advanced Video and Signal Based Surveillance
? Year: 2022
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Doi: 10.1109/Avss56176.2022.9959613
? Scopus ID: 2-s2.0-85143895349
? Authors: Slavic Giulia; Plaza Pablo Marˆ›n; Marcenaro Lucio; Gˆ‡mez David Martin; Regazzoni Carlo
? Source Id: 21101125623
? Author Ids: 57218159779;57212312678;6603377664;57204878586;35513672400
? Authoraffiliationids: 60025153-60001741;60001741;60025153;60001741;60025153
? Corresponding: Slavic G.

38.
? Title: Incremental Learning through Probabilistic Behavior Prediction
? Venue: European Signal Processing Conference
? Year: 2022
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Scopus ID: 2-s2.0-85141010092
? Issn: 22195491
? Volume: 2022-August
? Pages: 1502-1506
? Authors: Nozari Sheida; Krayani Ali; Marcenaro Lucio; Martin David; Regazzoni Carlo
? Keywords: action prediction | autonomous tracking | Dynamic Bayesian network | Imitation learning | performance analysis
? Quartile:
  2025:
  ? Signal Processing (Q3, rank 109, percentile 44)
  ? Electrical and Electronic Engineering (Q3, rank 573, percentile 42)
? Source Id: 21100204301
? Author Ids: 57302361700;57211429954;6603377664;59368746600;35513672400
? Authoraffiliationids: 60025153-60001741;60025153;60025153;60001741;60025153
? Corresponding: Nozari S.

39.
? Title: Generalized Filtering with Transport Planning for Joint Modulation Conversion and Classification in AI-enabled Radios
? Venue: IEEE International Conference on Communications
? Year: 2022

? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Icc45855.2022.9839176
? Scopus ID: 2-s2.0-85137267604
? Issn: 15503607
? Volume: 2022-May
? Pages: 3759-3765
? Authors: Krayani Ali; William Nobel J.; Alam Atm S.; Marcenaro Lucio; Qin Zhijin; Nallanathan Arumugam; Regazzoni Carlo
? Keywords: AI-enabled Radio | Explainable AI | Generalized Filtering | Modulation Classification | Transport Planning
? Source Id: 33201
? Author Ids: 57211429954;57824317700;49862669300;6603377664;55370178400;6603561059;35513672400
? Authoraffiliationids: 60025153-60022109;60025153-60022109;60022109;60025153;60022109;60022109;60025153
? Corresponding: Krayani A.

40.
  ? Title: Jammer Detection in Vehicular V2X Networks
  ? Venue: Mediterranean Microwave Symposium
  ? Year: 2022
  ? Type: Conference Proceeding
  ? Subtype: Conference Paper
  ? Citations: 6
  ? Doi: 10.1109/Mms55062.2022.9825566
  ? Scopus ID: 2-s2.0-85135148647
  ? Issn: 21579822
  ? eISSN: 21579830
  ? Volume: 2022-May
  ? Authors: Krayani Ali; William Nobel J.; Marcenaro Lucio; Regazzoni Carlo
  ? Keywords: Generalized Dynamic Bayesian Networks | jammer detection | V2x
  ? Quartile:
    2025:
    ? Electrical and Electronic Engineering (Q3, rank 604, percentile 39)
  ? Source Id: 20600195647
  ? Author Ids: 57211429954;57824317700;6603377664;35513672400
  ? Authoraffiliationids: 60025153-60103966;60025153-60103966;60025153-60103966;60025153-60103966
  ? Corresponding: Krayani A.

41.
  ? Title: Active Inference Integrated With Imitation Learning for Autonomous Driving
  ? Venue: IEEE Access
  ? Year: 2022
  ? Type: Journal
  ? Subtype: Article
  ? Citations: 11
  ? Doi: 10.1109/Access.2022.3172712
  ? Scopus ID: 2-s2.0-85129650616
  ? eISSN: 21693536
  ? Volume: 10
  ? Pages: 49738-49756
  ? Authors: Nozari Sheida; Krayani Ali; Marin-Plaza Pablo; Marcenaro Lucio; Gomez David Martin; Regazzoni Carlo

? Keywords: active inference | autonomous driving | dynamic Bayesian network | Imitation learning
? 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: 57302361700;57211429954;57190806708;6603377664;57204878586;35513672400
  ? Authoraffiliationids: 60001741-60103966-60025153;60001741-60025153;60103966;60001741-60025153;60103966;60001741-60025153
  ? Corresponding: Nozari S.
42.
  ? Title: Container Localisation And Mass Estimation With An Rgb-D Camera
  ? Venue: ICASSP IEEE International Conference on Acoustics Speech and Signal Processing Proceedings
  ? Year: 2022
  ? Type: Conference Proceeding
  ? Subtype: Conference Paper
  ? Citations: 6
  ? Doi: 10.1109/Icassp43922.2022.9747134
  ? Scopus ID: 2-s2.0-85126945611
  ? Issn: 15206149
  ? Volume: 2022-May
  ? Pages: 9152-9155
  ? Authors: Apicella Tommaso; Slavic Giulia; Ragusa Edoardo; Gastaldo Paolo; Marcenaro Lucio
  ? Keywords: Convolutional Neural Networks | Mass estimation | Object detection
  ? Source Id: 110544
  ? Author Ids: 57216366806;57218159779;56580248800;35612596100;6603377664
  ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
  ? Corresponding: Apicella T.
43.
  ? Title: Configuring an Intelligent Reflecting Surface for Wireless Communications: Highlights from the 2021 IEEE Signal Processing Cup student competition [SP Competitions]
  ? Venue: IEEE Signal Processing Magazine
  ? Year: 2022
  ? Type: Journal
  ? Subtype: Article
  ? Citations: 8
  ? Doi: 10.1109/Msp.2021.3123593
  ? Scopus ID: 2-s2.0-85122286319
  ? Issn: 10535888
  ? eISSN: 15580792
  ? Volume: 39
  ? Issue: 1
  ? Pages: 126-131
  ? Authors: Bjˆ¶rnson Emil; Marcenaro Lucio
  ? Quartile:

2025:
  ? Applied Mathematics (Q1, rank 4, percentile 99)
  ? Signal Processing (Q1, rank 4, percentile 98)
  ? Electrical and Electronic Engineering (Q1, rank 21, percentile 97)
  2022:
  ? Applied Mathematics (Q1, rank 2, percentile 99)
  ? Signal Processing (Q1, rank 2, percentile 98)
  ? Electrical and Electronic Engineering (Q1, rank 12, percentile 98)
? Source Id: 12996
? Author Ids: 24478602800;6603377664
? Authoraffiliationids: 60009358;60025153
? Corresponding: Bjˆ¶rnson E.

44.
  ? Title: Multilevel Anomaly Detection Through Variational Autoencoders and Bayesian Models for Self-Aware Embodied Agents
  ? Venue: IEEE Transactions on Multimedia
  ? Year: 2022
  ? Type: Journal
  ? Subtype: Article
  ? Citations: 23
  ? Doi: 10.1109/Tmm.2021.3065232
  ? Scopus ID: 2-s2.0-85102718023
  ? Issn: 15209210
  ? eISSN: 19410077
  ? Volume: 24
  ? Pages: 1399-1414
  ? Authors: Slavic Giulia; Baydoun Mohamad; Campo Damian; Marcenaro Lucio; Regazzoni Carlo
  ? Keywords: Anomaly detection | kalman filtering | particle filtering | variational autoencoder
  ? Quartile:
   2025:
   ? Media Technology (Q1, rank 3, percentile 96)
   ? Electrical and Electronic Engineering (Q1, rank 41, percentile 95)
   ? Signal Processing (Q1, rank 10, percentile 95)
   ? Computer Science Applications (Q1, rank 52, percentile 94)
   2022:
   ? Media Technology (Q1, rank 2, percentile 97)
   ? Computer Science Applications (Q1, rank 36, percentile 95)
   ? Electrical and Electronic Engineering (Q1, rank 40, percentile 94)
   ? Signal Processing (Q1, rank 10, percentile 92)
  ? Source Id: 16211
  ? Author Ids: 57218159779;57194871976;57126952000;6603377664;35513672400
  ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
  ? Corresponding: Slavic G.

45.
  ? Title: Data-driven transition matrix estimation in probabilistic learning models for autonomous driving
  ? Venue: Signal Processing
  ? Year: 2021
  ? Type: Journal
  ? Subtype: Article
  ? Citations: 14
  ? DOI: 10.1016/j.sigpro.2021.108170

? Scopus ID: 2-s2.0-85109524904
? Issn: 01651684
? Volume: 188
? Authors: Iqbal Hafsa; Campo Damian; Marcenaro Lucio; Martin Gomez David; Regazzoni Carlo
? Keywords: Generalized States | Hierarchical Generalized Dynamical Bayesian Network | Markov Jump Particle Filter | ROC curves | Transition matrix
? Quartile:
  2025:
  ? Signal Processing (Q1, rank 25, percentile 87)
  ? Computer Vision and Pattern Recognition (Q1, rank 27, percentile 84)
  ? Electrical and Electronic Engineering (Q1, rank 166, percentile 83)
  ? Control and Systems Engineering (Q1, rank 71, percentile 81)
  ? Software (Q1, rank 101, percentile 79)
  2021:
  ? Control and Systems Engineering (Q1, rank 30, percentile 89)
  ? Electrical and Electronic Engineering (Q1, rank 83, percentile 88)
  ? Signal Processing (Q1, rank 14, percentile 88)
  ? Software (Q1, rank 55, percentile 86)
  ? Computer Vision and Pattern Recognition (Q1, rank 14, percentile 85)
? Source Id: 25548
? Author Ids: 57210995304;57126952000;6603377664;57204878586;35513672400
? Authoraffiliationids: 60025153-60001741;60025153;60025153;60001741;60025153
? Corresponding: Iqbal H.
46.
? Title: Detection of Abnormal Motion by Estimating Scene Flows of Point Clouds for Autonomous Driving
? Venue: IEEE Conference on Intelligent Transportation Systems Proceedings ITSC
? Year: 2021
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 7
? Doi: 10.1109/Itsc48978.2021.9565105
? Scopus ID: 2-s2.0-85118424611
? Volume: 2021-September
? Pages: 2788-2793
? Authors: Iqbal Hafsa; Al-Kaff Abdulla; Marin Pablo; Marcenaro Lucio; Gomez David Martin; Regazzoni Carlo
? Keywords: 3D-Convolutional Neural Network | Autonomous Vehicles | Point-clouds | Scene flows estimation | Transfer Learning
? Source Id: 21101064705
? Author Ids: 57210995304;56308645100;57190806708;6603377664;57204878586;35513672400
? Authoraffiliationids: 60025153-126005257;126005257;126005257;60025153;126005257;60025153
? Corresponding: Iqbal H.
47.
? Title: Perspectives on the emerging field of autonomous systems and its theoretical foundations
? Venue: Icas 2021 2021 IEEE International Conference on Autonomous Systems Proceedings
? Year: 2021
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 7
? Doi: 10.1109/Icas49788.2021.9551191

? Scopus ID: 2-s2.0-85117502242

? Authors: Wang Yingxu; Plataniotis Konstantinos N.; Mohammadi Arash; Marcenaro Lucio; Asif Amir; Hou Ming; Leung Henry; Gavrilova Marina

? Keywords: Autonomous systems | Brain-inspired systems | General AI theory | Intelligence science | Intelligent signal processing | System science

? Source Id: 21101062319

? Author Ids: 7601492153;35510256100;57202524232;6603377664;7003843725;36025111800;57211955342;26643382700

? Authoraffiliationids: 60192954;60016849;60033154;60025153;60033154;60017597;60192954;60002306

? Corresponding: Wang Y.

48.

? Title: Interpretable anomaly detection using a generalized markov jump particle filter

? Venue: Icas 2021 2021 IEEE International Conference on Autonomous Systems Proceedings

? Year: 2021

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 6

? Doi: 10.1109/Icas49788.2021.9551111

? Scopus ID: 2-s2.0-85117472110

? Authors: Slavic Giulia; Marin Pablo; Martin David; Marcenaro Lucio; Regazzoni Carlo

? Keywords: Anomaly detection | Interpretable Machine Learning | Kalman Filter | Pamcle Filter

? Source Id: 21101062319

? Author Ids: 57218159779;57190806708;59368746600;6603377664;35513672400

? Authoraffiliationids: 60025153-60001741;60025153-60001741;60025153-60001741;60025153-60001741;60025153-60001741

? Corresponding: Slavic G.

49.

? Title: On future development of autonomous systems: A report of the plenary panel at IEEE ICAS'21

? Venue: Icas 2021 2021 IEEE International Conference on Autonomous Systems Proceedings

? Year: 2021

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 9

? Doi: 10.1109/Icas49788.2021.9551188

? Scopus ID: 2-s2.0-85117464689

? Authors: Wang Yingxu; Pitas Ioannis; Plataniotis Konstantinos N.; Regazzoni Carlo S.; Sadler Brian M.; Roy-Chowdhury Amit; Hou Ming; Mohammadi Arash; Marcenaro Lucio; Atashzar Farokh; Alzahir Saif

? Keywords: Applications | Autonomous systems | Challenges | Cognitive systems | Constraints | General AI systems | Intelligence systems | Machine learning | Theoretical foundations

? Source Id: 21101062319

? Author Ids: 7601492153;35569279700;35510256100;35513672400;7005682371;57224916062;36025111800;57202524232;6603377664;12040259900;9433445900

? Authoraffiliationids: 60002306;60015331;60016849;60025153;60033252;60029526;60017597;60033154;60025153;60021784;60033154

? Corresponding: Wang Y.

50.

? Title: Observational learning: Imitation through an adaptive probabilistic approach

? Venue: Icas 2021 2021 IEEE International Conference on Autonomous Systems Proceedings

? Year: 2021
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 5
? Doi: 10.1109/Icas49788.2021.9551152
? Scopus ID: 2-s2.0-85117457533
? Authors: Nozari Sheida; Marcenaro Lucio; Martin David; Regazzoni Carlo
? Keywords: Dynamic Bayesian network | Imitation learning | Multi-agent learning |
Performance analysis | Reinforcement learning
? Source Id: 21101062319
? Author Ids: 57302361700;6603377664;59368746600;35513672400
? Authoraffiliationids: 60025153-60001741;60025153;60001741;60025153
? Corresponding: Nozari S.

51.
? Title: Automatic Modulation Classification in Cognitive-IoT Radios using Generalized
Dynamic Bayesian Networks
? Venue: 7th IEEE World Forum on Internet of Things Wf Iot 2021
? Year: 2021
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 12
? DOI: 10.1109/WF-IoT51360.2021.9594936
? Scopus ID: 2-s2.0-85119866608
? Pages: 235-240
? Authors: Krayani Ali; Alam Atm S.; Calipari Marco; Marcenaro Lucio; Nallanathan
Arumugam; Regazzoni Carlo
? Keywords: Automatic Modulation Classification | Bayesian Filtering. | Cognitive Radio
 | Internet of Things
? Source Id: 21101066501
? Author Ids: 57211429954;49862669300;57351807200;6603377664;6603561059;35513672400
? Authoraffiliationids: 60025153;60022109;60025153;60025153;60022109;60025153
? Corresponding: Krayani A.

52.
? Title: Learning Self-Awareness for Autonomous Vehicles: Exploring Multisensory
Incremental Models
? Venue: IEEE Transactions on Intelligent Transportation Systems
? Year: 2021
? Type: Journal
? Subtype: Article
? Citations: 14
? Doi: 10.1109/Tits.2020.2984735
? Scopus ID: 2-s2.0-85107411783
? Issn: 15249050
? eISSN: 15580016
? Volume: 22
? Issue: 6
? Pages: 3372-3386
? Authors: Ravanbakhsh Mahdyar; Baydoun Mohamad; Campo Damian; Marin Pablo; Martin
David; Marcenaro Lucio; Regazzoni Carlo
? Keywords: deep generative models | dynamic Bayesian networks | multi-modality | Self-
awareness
? Quartile:
  2025:
  ? Automotive Engineering (Q1, rank 2, percentile 98)

? Mechanical Engineering (Q1, rank 15, percentile 98)
? Computer Science Applications (Q1, rank 26, percentile 97)
2021:
? Mechanical Engineering (Q1, rank 17, percentile 97)
? Computer Science Applications (Q1, rank 22, percentile 97)
? Automotive Engineering (Q1, rank 4, percentile 96)
? Source Id: 18378
? Author Ids:
57192545758;57194871976;57126952000;57190806708;57204878586;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60001741;60001741;60025153;60025153
? Corresponding: Ravanbakhsh M.

53.
? Title: Fight the Pandemic: Highlights from the 2020 IEEE 5-Minute Video Clip Contest [SP Competitions]
? Venue: IEEE Signal Processing Magazine
? Year: 2021
? Type: Journal
? Subtype: Article
? Citations: 0
? Doi: 10.1109/Msp.2020.3046230
? Scopus ID: 2-s2.0-85102052077
? Issn: 10535888
? eISSN: 15580792
? Volume: 38
? Issue: 2
? Pages: 138-143
? Authors: Routtenberg Tirza; Carini Alberto; Chouzenoux Emilie; Pal Piya; Bermudez Jose C.M.; Marcenaro Lucio
? Quartile:
2025:
? Applied Mathematics (Q1, rank 4, percentile 99)
? Signal Processing (Q1, rank 4, percentile 98)
? Electrical and Electronic Engineering (Q1, rank 21, percentile 97)
2021:
? Applied Mathematics (Q1, rank 3, percentile 99)
? Signal Processing (Q1, rank 2, percentile 98)
? Electrical and Electronic Engineering (Q1, rank 12, percentile 98)
? Source Id: 12996
? Author Ids: 24725541300;7005389788;36628043900;34969641100;7102615510;6603377664
? Authoraffiliationids: 60027161;60018363;60106017;60030612;60017609;60025153
? Corresponding: Routtenberg T.

54.
? Title: Dynamic Bayesian Collective Awareness Models for a Network of Ego-Things
? Venue: IEEE Internet of Things Journal
? Year: 2021
? Type: Journal
? Subtype: Article
? Citations: 5
? Doi: 10.1109/Jiot.2020.3043199
? Scopus ID: 2-s2.0-85097924392
? eISSN: 23274662
? Volume: 8
? Issue: 5
? Pages: 3224-3241

? Authors: Kanapram DIvya Thekke; Marchese Mario; Bodanese Eliane L.; Gomez David Martin; Marcenaro Lucio; Regazzoni Carlo
? Keywords: Abnormality detection | collective awareness (CA) | dynamic Bayesian network (DBN) | Markov jump particle filter (MJPF) | self-awareness (SA)
? 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)
  2021:
  ? Computer Science Applications (Q1, rank 13, percentile 98)
  ? Computer Networks and Communications (Q1, rank 7, percentile 98)
  ? Signal Processing (Q1, rank 3, percentile 97)
  ? Information Systems (Q1, rank 9, percentile 97)
  ? Hardware and Architecture (Q1, rank 5, percentile 97)
? Source Id: 21100338350
? Author Ids: 57195512131;7004398165;6602283934;57204878586;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60022109;60001741;60025153;60025153
? Corresponding: Kanapram D.T.

55.
? Title: Probabilistic anomaly detection methods using learned models from time-series data for multimedia self-aware systems
? Venue: Advanced Methods and Deep Learning in Computer Vision
? Year: 2021
? Type: Book
? Subtype: Book Chapter
? Citations: 1
? Doi: 10.1016/B978-0-12-822109-9.00022-9
? Scopus ID: 2-s2.0-85131499988
? Pages: 449-479
? Authors: Regazzoni Carlo; Krayani Ali; Slavic Giulia; Marcenaro Lucio
? Keywords: Anomaly detection | Bayesian filtering | Generalized dynamic bayesian network | Self-awareness | Variational autoencoder
? Source Id: 21101091333
? Author Ids: 35513672400;57211429954;57218159779;6603377664
? Authoraffiliationids: 60025153;60025153-60022109;60025153;60025153
? Corresponding: Regazzoni C.

56.
? Title: Learning Of Linear Video Prediction Models In A Multi-Modal Framework For Anomaly Detection
? Venue: Proceedings International Conference on Image Processing Icip
? Year: 2021
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 8
? Doi: 10.1109/Icip42928.2021.9506049
? Scopus ID: 2-s2.0-85125564685
? Issn: 15224880
? Volume: 2021-September
? Pages: 1569-1573
? Authors: Slavic Giulia; Alemaw Abrham Shiferaw; Marcenaro Lucio; Regazzoni Carlo
? Keywords: Anomaly detection | Data fusion | Dynamic bayesian networks | Kalman filter

| Variational autoencoder
? Quartile:
2025:
? Computer Vision and Pattern Recognition (Q2, rank 64, percentile 62)
? Signal Processing (Q2, rank 78, percentile 60)
? Software (Q2, rank 247, percentile 50)
? Source Id: 144684
? Author Ids: 57218159779;57473774100;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Slavic G.

57.
? Title: PETS2021: Through-foliage detection and tracking challenge and evaluation
? Venue: Avss 2021 17th IEEE International Conference on Advanced Video and Signal Based Surveillance
? Year: 2021
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Doi: 10.1109/Avss52988.2021.9663837
? Scopus ID: 2-s2.0-85124965460
? Authors: Patino Luis; Boyle Jonathan; Ferryman James; Auer Jonas; Pegoraro Julian; Pflugfelder Roman; Cokbas Mertcan; Konrad Janusz; Ishwar Prakash; Slavic Giulia; Marcenaro Lucio; Jiang Yifan; Jin Youngsaeng; Ko Hanseok; Zhao Guangliang; Ben-Yosef Guy; Qiu Jianwei
? Source Id: 21101077099
? Author Ids: 36922397800;55250251000;6507012905;57460349100;57217728757;16177808300;57218710188;7102355164;6602873044;57218159779;6603377664;57207334917;57205458724;35069749800;57219545458;25026742300;57693404800
? Authoraffiliationids: 60012197;60012197;60012197;60103936;60103936;60103936;60019674;60019674;60019674;60025153;60025153;60005273;60005273;60005273;126560762;126560762;126560762
? Corresponding: Patino L.

58.
? Title: Self-awareness in intelligent vehicles: Feature based dynamic Bayesian models for abnormality detection
? Venue: Robotics and Autonomous Systems
? Year: 2020
? Type: Journal
? Subtype: Article
? Citations: 18
? DOI: 10.1016/j.robot.2020.103652
? Scopus ID: 2-s2.0-85092022930
? Issn: 09218890
? Volume: 134
? Authors: Kanapram Divya Thekke; Marin-Plaza Pablo; Marcenaro Lucio; Martin David; de la Escalera Arturo; Regazzoni Carlo
? Keywords: Abnormality detection | Autonomous vehicles | Dynamic Bayesian Network (DBN) | Hellinger distance | Intelligent Transportation System (ITS)
? Quartile:
2025:
? Mathematics (all) (Q1, rank 6, percentile 98)
? Control and Systems Engineering (Q1, rank 46, percentile 88)
? Software (Q1, rank 71, percentile 85)
? Computer Science Applications (Q1, rank 143, percentile 85)

2020:
 ? Mathematics (all) (Q1, rank 5, percentile 98)
 ? Computer Science Applications (Q1, rank 79, percentile 88)
 ? Control and Systems Engineering (Q1, rank 31, percentile 88)
 ? Software (Q1, rank 58, percentile 85)
? Source Id: 18079
? Author Ids: 57195512131;57190806708;6603377664;57204878586;6602500615;35513672400
? Authoraffiliationids: 60025153-60022109;60001741;60025153;60001741;60001741;60025153
? Corresponding: Kanapram D.T.

59.
? Title: Continual Learning of Predictive Models in Video Sequences Via Variational Autoencoders
? Venue: Proceedings International Conference on Image Processing Icip
? Year: 2020
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 6
? Doi: 10.1109/Icip40778.2020.9190980
? Scopus ID: 2-s2.0-85098668667
? Issn: 15224880
? Volume: 2020-October
? Pages: 753-757
? Authors: Campo Damian; Slavic Giulia; Baydoun Mohamad; Marcenaro Lucio; Regazzoni Carlo
? Keywords: Continual learning | kalman filter | lifelong learning | particle filter | variational autoencoder
? Quartile:
2025:
 ? Computer Vision and Pattern Recognition (Q2, rank 64, percentile 62)
 ? Signal Processing (Q2, rank 78, percentile 60)
 ? Software (Q2, rank 247, percentile 50)
? Source Id: 144684
? Author Ids: 57126952000;57218159779;57194871976;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Campo D.

60.
? Title: Optimization of Probabilistic Switching Models Based on a Two-Step Clustering Approach
? Venue: IEEE Workshop on Signal Processing Systems Sips Design and Implementation
? Year: 2020
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 7
? DOI: 10.1109/SiPS50750.2020.9195244
? Scopus ID: 2-s2.0-85096781816
? Issn: 15206130
? Volume: 2020-October
? Authors: Iqbal Hafsa; Campo Damian; Slavic Giulia; Marcenaro Lucio; Gomez David Martin; Regazzoni Carlo
? Keywords: Abnormality detection | Hierarchical clustering | Partitional clustering | Probabilistic inference | State estimation
? Quartile:
2025:
 ? Signal Processing (Q3, rank 110, percentile 43)

? Applied Mathematics (Q3, rank 379, percentile 43)
  ? Electrical and Electronic Engineering (Q3, rank 593, percentile 40)
  ? Hardware and Architecture (Q3, rank 165, percentile 29)
? Source Id: 26058
? Author Ids: 57210995304;57126952000;57218159779;6603377664;57204878586;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60001741;60025153
? Corresponding: Iqbal H.

61.
? Title: Let There Be a Beam: Highlights from the 2020 IEEE Five-Minute Video Clip Contest [SP Competitions]
? Venue: IEEE Signal Processing Magazine
? Year: 2020
? Type: Journal
? Subtype: Article
? Citations: 2
? Doi: 10.1109/Msp.2020.3002485
? Scopus ID: 2-s2.0-85091044143
? Issn: 10535888
? eISSN: 15580792
? Volume: 37
? Issue: 5
? Pages: 157-162
? Authors: Liu Wei; Anbiyaei Mohammad Reza; Jiang Xue; Zhang Lei; Marcenaro Lucio
? Quartile:
  2025:
  ? Applied Mathematics (Q1, rank 4, percentile 99)
  ? Signal Processing (Q1, rank 4, percentile 98)
  ? Electrical and Electronic Engineering (Q1, rank 21, percentile 97)
  2020:
  ? Applied Mathematics (Q1, rank 3, percentile 99)
  ? Electrical and Electronic Engineering (Q1, rank 10, percentile 98)
  ? Signal Processing (Q1, rank 3, percentile 97)
? Source Id: 12996
? Author Ids: 56645219600;57191477738;55724182500;57441548000;6603377664
? Authoraffiliationids: 60001881;60008542;60025084;60001490;60025153
? Corresponding: Liu W.

62.
? Title: Unsupervised Anomaly Detection Using Intelligent and Heterogeneous Autonomous Systems: Highlights from the 2020 IEEE Signal Processing Cup Student Competition [SP Competitions]
? Venue: IEEE Signal Processing Magazine
? Year: 2020
? Type: Journal
? Subtype: Article
? Citations: 1
? Doi: 10.1109/Msp.2020.3002482
? Scopus ID: 2-s2.0-85090990136
? Issn: 10535888
? eISSN: 15580792
? Volume: 37
? Issue: 5
? Pages: 152-157
? Authors: Campo Damian; Martin David; Marcenaro Lucio
? Quartile:

2025:
  ? Applied Mathematics (Q1, rank 4, percentile 99)
  ? Signal Processing (Q1, rank 4, percentile 98)
  ? Electrical and Electronic Engineering (Q1, rank 21, percentile 97)
  2020:
  ? Applied Mathematics (Q1, rank 3, percentile 99)
  ? Electrical and Electronic Engineering (Q1, rank 10, percentile 98)
  ? Signal Processing (Q1, rank 3, percentile 97)
? Source Id: 12996
? Author Ids: 57126952000;57204878586;6603377664
? Authoraffiliationids: 60025153;60001741;60025153
? Corresponding: Campo D.

63.
? Title: Deep learning for spectrum anomaly detection in cognitive mmWave radios
? Venue: IEEE International Symposium on Personal Indoor and Mobile Radio Communications PIMRC
? Year: 2020
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 19
? Doi: 10.1109/Pimrc48278.2020.9217240
? Scopus ID: 2-s2.0-85094148939
? Volume: 2020-August
? Authors: Toma Andrea; Krayani Ali; Marcenaro Lucio; Gao Yue; Regazzoni Carlo S.
? Keywords: Anomaly Detection | Cognitive Radios | Deep Learning | Generative Models | Millimeter Wave
? Source Id: 21101023800
? Author Ids: 56303677700;57211429954;6603377664;57206592088;35513672400
? Authoraffiliationids: 60025153-60022109;60025153-60022109;60025153;60022109;60025153
? Corresponding: Toma A.

64.
? Title: Smart jammer detection for self-aware cognitive UAV radios
? Venue: IEEE International Symposium on Personal Indoor and Mobile Radio Communications PIMRC
? Year: 2020
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 12
? Doi: 10.1109/Pimrc48278.2020.9217331
? Scopus ID: 2-s2.0-85094101655
? Volume: 2020-August
? Authors: Krayani Ali; Baydoun Mohamad; Marcenaro Lucio; Gao Yue; Regazzoni Carlo S.
? Keywords: Cr | Dbn | Jammer | Lte | Uav
? Source Id: 21101023800
? Author Ids: 57211429954;57194871976;6603377664;57206592088;35513672400
? Authoraffiliationids: 60025153-60022109;60025153;60025153;60022109;60025153
? Corresponding: Krayani A.

65.
? Title: Multisensorial Generative and Descriptive Self-Awareness Models for Autonomous Systems
? Venue: Proceedings of the IEEE
? Year: 2020
? Type: Journal
? Subtype: Article

? Authors: Regazzoni Carlo S.; Marcenaro Lucio; Campo Damian; Rinner Bernhard
? Keywords: Anomaly detection | autobiographical memory (AM) | autobiographical self (AS) | Bayesian inference | cognitive dynamic systems (CDSs) | model creation | self-awareness (SA)
? Quartile:
  2025:
  ? Electrical and Electronic Engineering (Q1, rank 3, percentile 99)
  ? Computer Science (all) (Q1, rank 2, percentile 99)
  2020:
  ? Computer Science (all) (Q1, rank 2, percentile 99)
  ? Electrical and Electronic Engineering (Q1, rank 9, percentile 98)
? Source Id: 17915
? Author Ids: 35513672400;6603377664;57126952000;6602718780
? Authoraffiliationids: 60025153;60025153;60025153;60019660
? Corresponding: Regazzoni C.S.

66.
? Title: Anomaly Detection in Video Data Based on Probabilistic Latent Space Models
? Venue: IEEE Conference on Evolving and Adaptive Intelligent Systems
? Year: 2020
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 15
? Doi: 10.1109/Eais48028.2020.9122766
? Scopus ID: 2-s2.0-85087529448
? Issn: 23304863
? eISSN: 24734691
? Volume: 2020-May
? Authors: Slavic Giulia; Campo Damian; Baydoun Mohamad; Marin Pablo; Martin David; Marcenaro Lucio; Regazzoni Carlo
? Keywords: anomaly detection | Kalman filtering | particle filtering | Variational autoencoder
? Quartile:
  2025:
  ? Artificial Intelligence (Q3, rank 296, percentile 40)
  ? Computer Science Applications (Q3, rank 605, percentile 38)
? Source Id: 21100879718
? Author Ids: 57218159779;57126952000;57194871976;57190806708;59368746600;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60001741;60001741;60025153;60025153
? Corresponding: Slavic G.

67.
? Title: Collective Awareness for Abnormality Detection in Connected Autonomous Vehicles
? Venue: IEEE Internet of Things Journal
? Year: 2020
? Type: Journal

68.
? Title: Privacy-Aware Human Activity Recognition from a Wearable Camera: Highlights from the IEEE Video and Image Processing Cup 2019 Student Competition [SP Competitions]
? Venue: IEEE Signal Processing Magazine
? Year: 2020
? Type: Journal

2020:
 ? Applied Mathematics (Q1, rank 3, percentile 99)
 ? Electrical and Electronic Engineering (Q1, rank 10, percentile 98)
 ? Signal Processing (Q1, rank 3, percentile 97)
? Source Id: 12996
? Author Ids: 57204531986;56598063700;6603377664;23478544500;7103233230
? Authoraffiliationids: 60011048;60026851;60025153;60022109;60011048
? Corresponding: Tadesse G.A.

69.
 ? Title: Learning probabilistic awareness models for detecting abnormalities in vehicle
 motions
 ? Venue: IEEE Transactions on Intelligent Transportation Systems
 ? Year: 2020
 ? Type: Journal
 ? Subtype: Article
 ? Citations: 14
 ? Doi: 10.1109/Tits.2019.2909980
 ? Scopus ID: 2-s2.0-85081139418
 ? Issn: 15249050
 ? eISSN: 15580016
 ? Volume: 21
 ? Issue: 3
 ? Pages: 1308-1320
 ? Authors: Campo Damian; Baydoun Mohamad; Marin Pablo; Martin David; Marcenaro Lucio;
 De La Escalera Arturo; Regazzoni Carlo
 ? Keywords: decision systems | intelligent systems | self-aware systems | Smart
 mobility | trajectory modeling
 ? Quartile:
  2025:
  ? Automotive Engineering (Q1, rank 2, percentile 98)
  ? Mechanical Engineering (Q1, rank 15, percentile 98)
  ? Computer Science Applications (Q1, rank 26, percentile 97)
  2020:
  ? Mechanical Engineering (Q1, rank 15, percentile 97)
  ? Automotive Engineering (Q1, rank 3, percentile 97)
  ? Computer Science Applications (Q1, rank 23, percentile 96)
 ? Source Id: 18378
 ? Author Ids:
 57126952000;57194871976;57190806708;57204878586;6603377664;6602500615;35513672400
 ? Authoraffiliationids:
 60025153;60025153;60001741;60001741;60025153;60001741;60025153-60001741
 ? Corresponding: Campo D.

70.
 ? Title: AI-Based Abnormality Detection at the PHY-Layer of Cognitive Radio by Learning
 Generative Models
 ? Venue: IEEE Transactions on Cognitive Communications and Networking
 ? Year: 2020
 ? Type: Journal
 ? Subtype: Article
 ? Citations: 43
 ? Doi: 10.1109/Tccn.2020.2970693
 ? Scopus ID: 2-s2.0-85078727577
 ? eISSN: 23327731
 ? Volume: 6

? Issue: 1
? Pages: 21-34
? Authors: Toma Andrea; Krayani Ali; Farrukh Muhammad; Qi Haoran; Marcenaro Lucio; Gao Yue; Regazzoni Carlo S.
? Keywords: artificial intelligence | Cognitive radio | jamming | physical layer | unsupervised learning
? Quartile:
  2025:
  ? Hardware and Architecture (Q1, rank 15, percentile 93)
  ? Computer Networks and Communications (Q1, rank 39, percentile 92)
  ? Artificial Intelligence (Q1, rank 55, percentile 88)
  2020:
  ? Computer Networks and Communications (Q1, rank 28, percentile 91)
  ? Hardware and Architecture (Q1, rank 14, percentile 91)
  ? Artificial Intelligence (Q1, rank 26, percentile 88)
? Source Id: 21100854831
? Author Ids:
56303677700;57211429954;58725997500;57201006549;6603377664;57206592088;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60022109;60025153;60022109;60025153
? Corresponding: Toma A.
71.
? Title: Self-Learning Bayesian Generative Models for Jammer Detection in Cognitive-UAV-Radios
? Venue: Proceedings IEEE Global Communications Conference Globecom
? Year: 2020
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 27
? Doi: 10.1109/Globecom42002.2020.9322583
? Scopus ID: 2-s2.0-85100433661
? Issn: 23340983
? eISSN: 25766813
? Authors: Krayani Ali; Baydoun Mohamad; Marcenaro Lucio; Alam Atm S.; Regazzoni Carlo
? Keywords: Bayesian Filtering | Cognitive Radio | PHY-security | Self-Awareness | Unmanned Aerial Vehicles
? 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: 57211429954;57194871976;6603377664;49862669300;35513672400
? Authoraffiliationids: 60025153-60022109;60025153;60025153;60022109;60025153
? Corresponding: Krayani A.
72.
? Title: Self-awareness in Intelligent Vehicles: Experience Based Abnormality Detection
? Venue: Advances in Intelligent Systems and Computing
? Year: 2020
? Type: Book Series
? Subtype: Conference Paper
? Citations: 6
? Doi: 10.1007/978-3-030-35990-4_18
? Scopus ID: 2-s2.0-85082113934

? Authors: Kanapram Divya; Marin-Plaza Pablo; Marcenaro Lucio; Martin David; de la Escalera Arturo; Regazzoni Carlo
? Keywords: Abnormality detection | Autonomous vehicles | Dynamic Bayesian Network (DBN) | Hellinger distance | Intelligent Transportation System (ITS)
? Source Id: 5100152904
? Author Ids: 57195512131;57190806708;6603377664;59368746600;6602500615;35513672400
? Authoraffiliationids: 60025153-60022109;60001741;60025153;60001741;60001741;60025153
? Corresponding: Kanapram D.

73.
? Title: Clustering optimization for abnormality detection in semi-autonomous systems
? Venue: Mulea 2019 1st International Workshop on Multimodal Understanding and Learning for Embodied Applications Co Located with mm 2019
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 19
? Doi: 10.1145/3347450.3357657
? Scopus ID: 2-s2.0-85074935257
? Pages: 33-41
? Authors: Iqbal Hafsa; Campo Damian; Baydoun Mohamad; Marcenaro Lucio; Gomez David Martin; Regazzoni Carlo
? Keywords: Dynamic Bayesian Network | Growing Neural Gas-Utility | Kalman filter | Optimization | Particle filter
? Source Id: 21100959440
? Author Ids: 57210995304;57126952000;57194871976;6603377664;57204878586;35513672400
? Authoraffiliationids: 60025153;60001741;60025153;60025153;60001741;60025153
? Corresponding: Iqbal H.

74.
? Title: Abnormality detection using graph matching for multi-task dynamics of autonomous systems
? Venue: 2019 16th IEEE International Conference on Advanced Video and Signal Based Surveillance Avss 2019
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Avss.2019.8909908
? Scopus ID: 2-s2.0-85076363714
? Authors: Zaal Hassan; Baydoun Mohamad; Marcenaro Lucio; Tokarchuk Laurissa; Regazzoni Carlo S.
? Source Id: 21100938712
? Author Ids: 57212274941;57194871976;6603377664;6602852642;35513672400
? Authoraffiliationids: 60025153-60022109;60025153;60025153;60022109;60025153
? Corresponding: Zaal H.

75.
? Title: Incremental learning of abnormalities in autonomous systems
? Venue: 2019 16th IEEE International Conference on Advanced Video and Signal Based Surveillance Avss 2019
? Year: 2019
? Type: Conference Proceeding

? Subtype: Conference Paper
? Citations: 8
? Doi: 10.1109/Avss.2019.8909827
? Scopus ID: 2-s2.0-85076350738
? Authors: Zaal Hassan; Iqbal Hafsa; Campo Damian; Marcenaro Lucio; Regazzoni Carlo S.
? Source Id: 21100938712
? Author Ids: 57212274941;57210995304;57126952000;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Zaal H.

76.
? Title: Jammer detection in M-QAM-OFDM by learning a dynamic Bayesian model for the cognitive radio
? Venue: European Signal Processing Conference
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 5
? Doi: 10.23919/Eusipco.2019.8902495
? Scopus ID: 2-s2.0-85075612487
? Issn: 22195491
? Volume: 2019-September
? Authors: Krayani Ali; Farrukh Muhammad; Baydoun Mohamad; Marcenaro Lucio; Gao Yue; Regazzoni Carlo S.
? Keywords: Cognitive Radio | Dynamic Bayesian Network | IoT | Kalman Filter | OFDM | Particle Filter
? Quartile:
  2025:
  ? Signal Processing (Q3, rank 109, percentile 44)
  ? Electrical and Electronic Engineering (Q3, rank 573, percentile 42)
? Source Id: 21100204301
? Author Ids: 57211429954;58725997500;57194871976;6603377664;57206592088;35513672400
? Authoraffiliationids:
60025153-60022109;60025153-60022109;60025153;60025153;60022109;60025153
? Corresponding: Krayani A.

77.
? Title: Guest Editorial: Social and human aspects of cyber-physical systems
? Venue: Iet Cyber Physical Systems Theory and Applications
? Year: 2019
? Type: Journal
? Subtype: Editorial
? Citations: 0
? DOI: 10.1049/iet-cps.2019.0061
? Scopus ID: 2-s2.0-85073147444
? eISSN: 23983396
? Volume: 4
? Issue: 3
? Pages: 187-188
? Authors: Hu Jun; Liang Rong Hao; Shih Chi Sheng; Catala Andreu; Marcenaro Lucio; Osawa Hirotaka
? Quartile:
  2025:
  ? Computer Networks and Communications (Q2, rank 273, percentile 50)
  ? Electrical and Electronic Engineering (Q3, rank 504, percentile 49)
  ? Information Systems (Q3, rank 263, percentile 47)

? Artificial Intelligence (Q3, rank 270, percentile 45)
? Computer Science Applications (Q3, rank 559, percentile 43)
2019:
? Information Systems (Q4, rank 279, percentile 7)
? Electrical and Electronic Engineering (Q4, rank 623, percentile 7)
? Computer Science Applications (Q4, rank 597, percentile 6)
? Computer Networks and Communications (Q4, rank 295, percentile 4)
? Artificial Intelligence (Q4, rank 196, percentile 3)
? Source Id: 21100912216
? Author Ids: 56442891500;57014209000;35273881700;23391773000;6603377664;24484018400
? Authoraffiliationids: 60032882;60032882;60005429;60007592;60025153;60014256
? Corresponding: Hu J.

78.
? Title: Audio-Based Search and Rescue with a Drone: Highlights from the IEEE Signal Processing Cup 2019 Student Competition [SP Competitions]
? Venue: IEEE Signal Processing Magazine
? Year: 2019
? Type: Journal
? Subtype: Review
? Citations: 39
? Doi: 10.1109/Msp.2019.2924687
? Scopus ID: 2-s2.0-85072188916
? Issn: 10535888
? eISSN: 15580792
? Volume: 36
? Issue: 5
? Pages: 138-144
? Authors: Deleforge Antoine; Di Carlo Diego; Strauss Martin; Serizel Romain; Marcenaro Lucio
? Quartile:
2025:
? Applied Mathematics (Q1, rank 4, percentile 99)
? Signal Processing (Q1, rank 4, percentile 98)
? Electrical and Electronic Engineering (Q1, rank 21, percentile 97)
2019:
? Applied Mathematics (Q1, rank 6, percentile 98)
? Electrical and Electronic Engineering (Q1, rank 21, percentile 96)
? Signal Processing (Q1, rank 4, percentile 96)
? Source Id: 12996
? Author Ids: 55016442300;59845882200;57225210501;25825589600;6603377664
? Authoraffiliationids: 60017576;60013373;60000765;60104289;60025153
? Corresponding: Deleforge A.

79.
? Title: Towards cheap scalable browser multiplayer
? Venue: IEEE Conference on Computatonal Intelligence and Games Cig
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/Cig.2019.8847958
? Scopus ID: 2-s2.0-85073116754
? Issn: 23254270
? eISSN: 23254289
? Volume: 2019-August

? Authors: Amar Yousef; Tyson Gareth; Antichi Gianni; Marcenaro Lucio
  ? Keywords: Browser | Development | Game | Multiplayer | Networking | P2p | Peer-to-peer
  ? Quartile:
   2025:
   ? Computer Graphics and Computer-Aided Design (Q3, rank 77, percentile 41)
   ? Computer Vision and Pattern Recognition (Q3, rank 107, percentile 37)
   ? Artificial Intelligence (Q3, rank 328, percentile 33)
   ? Software (Q3, rank 360, percentile 28)
   ? Human-Computer Interaction (Q4, rank 147, percentile 23)
  ? Source Id: 21100283373
  ? Author Ids: 57191088866;25960456600;25924766600;6603377664
  ? Authoraffiliationids: 60022109;60022109;60022109;60025153
  ? Corresponding: Amar Y.
80.
  ? Title: Interference mitigation in wideband radios using spectrum correlation and neural network
  ? Venue: Iet Communications
  ? Year: 2019
  ? Type: Journal
  ? Subtype: Article
  ? Citations: 12
  ? DOI: 10.1049/iet-com.2018.5720
  ? Scopus ID: 2-s2.0-85068445448
  ? Issn: 17518628
  ? Volume: 13
  ? Issue: 10
  ? Pages: 1336-1347
  ? Authors: Toma Andrea; Nawaz Tassadaq; Gao Yue; Marcenaro Lucio; Regazzoni Carlo S.
  ? Quartile:
   2025:
   ? Electrical and Electronic Engineering (Q2, rank 286, percentile 71)
   ? Computer Science Applications (Q2, rank 321, percentile 67)
   2019:
   ? Electrical and Electronic Engineering (Q2, rank 230, percentile 65)
   ? Computer Science Applications (Q2, rank 233, percentile 63)
  ? Source Id: 5300152202
  ? Author Ids: 56303677700;57189034024;55731393400;6603377664;35513672400
  ? Authoraffiliationids: 60025153;60025153;60022109;60025153;60025153
  ? Corresponding: Toma A.
81.
  ? Title: Prediction of Multi-target Dynamics Using Discrete Descriptors: An Interactive Approach
  ? Venue: ICASSP IEEE International Conference on Acoustics Speech and Signal Processing Proceedings
  ? Year: 2019
  ? Type: Conference Proceeding
  ? Subtype: Conference Paper
  ? Citations: 9
  ? Doi: 10.1109/Icassp.2019.8682272
  ? Scopus ID: 2-s2.0-85069000497
  ? Issn: 15206149
  ? Volume: 2019-May
  ? Pages: 3342-3346

? Authors: Baydoun Mohamad; Campo Damian; Kanapram DIvya; Marcenaro Lucio; Regazzoni Carlo S.
? Keywords: Abnormality detection | interacting models | Kalman filter | Particle filter | trajectory analysis
? Source Id: 110544
? Author Ids: 57194871976;57126952000;57195512131;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Baydoun M.

82.
? Title: Dynamic Bayesian Approach for decision-making in Ego-Things
? Venue: IEEE 5th World Forum on Internet of Things Wf Iot 2019 Conference Proceedings
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 13
? DOI: 10.1109/WF-IoT.2019.8767204
? Scopus ID: 2-s2.0-85073912137
? Pages: 909-914
? Authors: Kanapram Divya; Campo Damian; Baydoun Mohamad; Marcenaro Lucio; Bodanese Eliane L.; Regazzoni Carlo; Marchese Mario
? Keywords: Abnormality detection | Feature selection | Kalman filter | multisensory data | particle filter
? Source Id: 21100958721
? Author Ids: 57195512131;57126952000;57194871976;6603377664;6602283934;35513672400;7004398165
? Authoraffiliationids: 60025153-60022109;60025153;60025153;60025153;60022109;60025153;60025153
? Corresponding: Kanapram D.

83.
? Title: Learning a Switching Bayesian Model for Jammer Detection in the Cognitive-Radio-Based Internet of Things
? Venue: IEEE 5th World Forum on Internet of Things Wf Iot 2019 Conference Proceedings
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 11
? DOI: 10.1109/WF-IoT.2019.8767187
? Scopus ID: 2-s2.0-85073894514
? Pages: 380-385
? Authors: Farrukh Muhammad; Krayani Ali; Baydoun Mohamad; Marcenaro Lucio; Gao Yue; Regazzoni Carlo S.
? Keywords: Cognitive Radio | Dynamic Bayesian Network | IoT | OFDM
? Source Id: 21100933725
? Author Ids: 58725997500;57211429954;57194871976;6603377664;57206592088;35513672400
? Authoraffiliationids: 60025153-60022109;60025153-60022109;60025153;60025153;60022109;60025153
? Corresponding: Farrukh M.

84.
? Title: Learning dynamic jamming models in cognitive radios
? Venue: Handbook of Cognitive Radio
? Year: 2019
? Type: Book
? Subtype: Book Chapter
? Citations: 0

85.
? Title: Secure smart cameras by aggregate-signcryption with decryption fairness for multi-receiver IoT applications
? Venue: Sensors Switzerland
? Year: 2019
? Type: Journal
? Subtype: Article
? Citations: 23
? DOI: 10.3390/s19020327
? Scopus ID: 2-s2.0-85060177784
? Issn: 14248220
? Volume: 19
? Issue: 2
? Authors: Ullah Subhan; Marcenaro Lucio; Rinner Bernhard
? Keywords: Data security | Elliptic-curve signcryption | Internet of things | Multi-receiver aggregate-signcryption | Resource efficiency | Smart cameras
? Quartile:
  2025:
  ? Instrumentation (Q1, rank 19, percentile 90)
  ? Electrical and Electronic Engineering (Q1, rank 136, percentile 86)
  ? Atomic and Molecular Physics, and Optics (Q1, rank 36, percentile 85)
  ? Biochemistry (Q1, rank 72, percentile 84)
  ? Information Systems (Q1, rank 87, percentile 82)
  ? Analytical Chemistry (Q1, rank 30, percentile 82)
  2019:
  ? Instrumentation (Q1, rank 17, percentile 87)
  ? Electrical and Electronic Engineering (Q1, rank 147, percentile 78)
  ? Information Systems (Q1, rank 70, percentile 76)
  ? Atomic and Molecular Physics, and Optics (Q1, rank 46, percentile 75)
  ? Analytical Chemistry (Q2, rank 35, percentile 71)
  ? Biochemistry (Q2, rank 156, percentile 61)
? Source Id: 130124
? Author Ids: 57214045908;6603377664;6602718780
? Authoraffiliationids: 60019660-60025153;60025153;60019660
? Corresponding: Ullah S.
86.
? Title: Exploiting ST-Based representation for high sampling rate dynamic signals
? Venue: Lecture Notes on Data Engineering and Communications Technologies
? Year: 2019
? Type: Book Series
? Subtype: Book Chapter
? Citations: 2

? Doi: 10.1007/978-3-030-11437-4_16
? Scopus ID: 2-s2.0-85081943052
? Issn: 23674512
? eISSN: 23674520
? Volume: 27
? Pages: 203-217
? Authors: Toma Andrea; Nawaz Tassadaq; Marcenaro Lucio; Regazzoni Carlo; Gao Yue
? Quartile:
  2025:
  ? Media Technology (Q3, rank 40, percentile 47)
  ? Electrical and Electronic Engineering (Q3, rank 701, percentile 29)
  ? Computer Networks and Communications (Q3, rank 385, percentile 29)
  ? Information Systems (Q3, rank 357, percentile 28)
  ? Computer Science Applications (Q4, rank 748, percentile 23)
? Source Id: 21100975545
? Author Ids: 56303677700;57189034024;6603377664;35513672400;57206592088
? Authoraffiliationids: 60025153-60022109;60025153;60025153;60025153;60022109
? Corresponding: Toma A.

87.
? Title: Towards a deeper understanding of the behavioural implications of
bidirectional activity-based ambient displays in ambient assisted living environments
? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in
Artificial Intelligence and Lecture Notes in Bioinformatics
? Year: 2019
? Type: Book Series
? Subtype: Book Chapter
? Citations: 4
? Doi: 10.1007/978-3-030-10752-9_6
? Scopus ID: 2-s2.0-85061053508
? Issn: 03029743
? eISSN: 16113349
? Volume: 11369 Lncs
? Pages: 108-151
? Authors: Davis-Owusu Kadian; Owusu Evans; Marcenaro Lucio; Regazzoni Carlo; Feijs
Loe; Hu Jun
? Keywords: Affective and social interfaces | Ambient Intelligence for AAL | Context-
aware frameworks and sensing | Human activity recognition | Interpersonal activity
synchrony | Smart devices and intelligent products | Ubiquitous and mobile interfaces
? Quartile:
  2025:
  ? Theoretical Computer Science (Q3, rank 70, percentile 48)
  ? Computer Science (all) (Q3, rank 129, percentile 46)
  2019:
  ? Computer Science (all) (Q2, rank 95, percentile 57)
  ? Theoretical Computer Science (Q3, rank 77, percentile 35)
? Source Id: 25674
? Author Ids: 57204471506;56785899000;6603377664;35513672400;7004096151;56442891500
? Authoraffiliationids: 60118051;;60025153;60025153;60032882;60032882
? Corresponding: Davis-Owusu K.

88.
? Title: Emotion estimation in crowds: The interplay of motivations and expectations in
individual emotions
? Venue: European Signal Processing Conference
? Year: 2018

? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.23919/Eusipco.2018.8553370
? Scopus ID: 2-s2.0-85059824526
? Issn: 22195491
? Volume: 2018-September
? Pages: 1092-1096
? Authors: Urizar Oscar J.; Barakova Emilia I.; Marcenaro Lucio; Regazzoni Carlo S.;
Rauterberg Matthias
? Keywords: Affective models | Crowd emotions | Emotion estimation | Pedestrian
emotions
? Quartile:
 2025:
 ? Signal Processing (Q3, rank 109, percentile 44)
 ? Electrical and Electronic Engineering (Q3, rank 573, percentile 42)
? Source Id: 21100204301
? Author Ids: 57190261688;35614959800;6603377664;35513672400;6701479494
? Authoraffiliationids: 60025153-60032882;60032882;60025153;60025153;60025153
? Corresponding: Urizar O.J.
89.
 ? Title: Aggregate-signcryption for securing smart camera IoT applications
 ? Venue: 2018 Global Internet of Things Summit Giots 2018
 ? Year: 2018
 ? Type: Conference Proceeding
 ? Subtype: Conference Paper
 ? Citations: 13
 ? Doi: 10.1109/Giots.2018.8534434
 ? Scopus ID: 2-s2.0-85059097714
 ? Authors: Ullah Subhan; Russo Federico; Marcenaro Lucio; Rinner Bernhard
 ? Keywords: Aggregate-signcryption | data Security | internet of Things | smart cameras
 ? Source Id: 21100892740
 ? Author Ids: 57214045908;57205208020;6603377664;6602718780
 ? Authoraffiliationids: 60019660-60025153;60025153;60025153;60019660
 ? Corresponding: Ullah S.
90.
 ? Title: A multi-perspective approach to anomaly detection for self -aware embodied
 agents
 ? Venue: ICASSP IEEE International Conference on Acoustics Speech and Signal Processing
  Proceedings
 ? Year: 2018
 ? Type: Conference Proceeding
 ? Subtype: Conference Paper
 ? Citations: 20
 ? Doi: 10.1109/Icassp.2018.8462490
 ? Scopus ID: 2-s2.0-85054058245
 ? Issn: 15206149
 ? Volume: 2018-April
 ? Pages: 6598-6602
 ? Authors: Baydoun Mohamad; Ravanbakhsh Mahdyar; Campo Damian; Marin Pablo; Martin
David; Marcenaro Lucio; Cavallaro Andrea; Regazzoni Carlo S.
 ? Keywords: Abnormality detection | Gaussian process | Generative adversarial networks
 | Multi-sensor systems | Situational awareness
 ? Source Id: 110544

? Author Ids: 57194871976;57192545758;57126952000;57190806708;57204878586;6603377664;7103233230;35513672400
? Authoraffiliationids: 60025153-60022109;60025153;60025153;60001741;60001741;60025153;60022109;60025153-60001741
? Corresponding: Baydoun M.

91.
? Title: Learning Switching Models for Abnormality Detection for Autonomous Driving
? Venue: 2018 21st International Conference on Information Fusion Fusion 2018
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 43
? Doi: 10.23919/Icif.2018.8455592
? Scopus ID: 2-s2.0-85054092835
? Pages: 2606-2613
? Authors: Baydoun M.; Campo D.; Sanguineti V.; Marcenaro L.; Cavallaro A.; Regazzoni C.
? Source Id: 21100878662
? Author Ids: 57194871976;57126952000;57216946835;6603377664;7103233230;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60022109;60025153
? Corresponding: Baydoun M.

92.
? Title: Learning Multi-Modal Self-Awareness Models for Autonomous Vehicles from Human Driving
? Venue: 2018 21st International Conference on Information Fusion Fusion 2018
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 23
? Doi: 10.23919/Icif.2018.8455667
? Scopus ID: 2-s2.0-85054089719
? Pages: 1866-1873
? Authors: Ravanbakhsh Mahdyar; Baydoun Mohamad; Campo Damian; Marin Pablo; Martin David; Marcenaro Lucio; Regazzoni Carlo S.
? Source Id: 21100878662
? Author Ids: 57192545758;57194871976;57126952000;57190806708;57204878586;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60001741;60001741;60025153;60025153
? Corresponding: Ravanbakhsh M.

93.
? Title: Forensic Camera Model Identification: Highlights from the IEEE Signal Processing Cup 2018 Student Competition [SP Competitions]
? Venue: IEEE Signal Processing Magazine
? Year: 2018
? Type: Journal
? Subtype: Article
? Citations: 11
? Doi: 10.1109/Msp.2018.2847326
? Scopus ID: 2-s2.0-85053205793
? Issn: 10535888
? eISSN: 15580792
? Volume: 35
? Issue: 5
? Pages: 168-174

? Authors: Stamm Matthew; Bestagini Paolo; Marcenaro Lucio; Campisi Patrizio
? Quartile:
  2025:
  ? Applied Mathematics (Q1, rank 4, percentile 99)
  ? Signal Processing (Q1, rank 4, percentile 98)
  ? Electrical and Electronic Engineering (Q1, rank 21, percentile 97)
  2018:
  ? Applied Mathematics (Q1, rank 5, percentile 99)
  ? Signal Processing (Q1, rank 2, percentile 98)
  ? Electrical and Electronic Engineering (Q1, rank 16, percentile 97)
? Source Id: 12996
? Author Ids: 34870520200;21638596100;6603377664;7004145960
? Authoraffiliationids: 60014662;60023256;60025153;60012630
? Corresponding: Stamm M.

94.
? Title: Hierarchy of Gans for Learning Embodied Self-Awareness Model
? Venue: Proceedings International Conference on Image Processing Icip
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 9
? Doi: 10.1109/Icip.2018.8451418
? Scopus ID: 2-s2.0-85062912686
? Issn: 15224880
? Pages: 1987-1991
? Authors: Ravanbakhsh Mahdyar; Baydoun Mohamad; Campo Damian; Marin Pablo; Martin David; Marcenaro Lucio; Regazzoni Carlo S.
? Keywords: Anomaly detection | Generative adversarial networks | Multi-component models | Self-awareness modeling
? Quartile:
  2025:
  ? Computer Vision and Pattern Recognition (Q2, rank 64, percentile 62)
  ? Signal Processing (Q2, rank 78, percentile 60)
  ? Software (Q2, rank 247, percentile 50)
? Source Id: 144684
? Author Ids:
57192545758;57194871976;57126952000;57190806708;59368746600;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60001741;60001741;60025153;60025153
? Corresponding: Ravanbakhsh M.

95.
? Title: Unsupervised trajectory modeling based on discrete descriptors for classifying
 moving objects in video sequences
? Venue: Proceedings International Conference on Image Processing Icip
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 6
? Doi: 10.1109/Icip.2018.8451837
? Scopus ID: 2-s2.0-85062906844
? Issn: 15224880
? Pages: 833-837
? Authors: Campo D.; Baydoun M.; Marcenaro L.; Cavallaro A.; Regazzoni C. S.
? Keywords: Motion recognition | Self-organizing maps | Trajectory classification |
Trajectory encoding | Unsupervised learning

? Quartile:
  2025:
  ? Computer Vision and Pattern Recognition (Q2, rank 64, percentile 62)
  ? Signal Processing (Q2, rank 78, percentile 60)
  ? Software (Q2, rank 247, percentile 50)
? Source Id: 144684
? Author Ids: 57126952000;57194871976;6603377664;7103233230;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60022109;60025153
? Corresponding: Campo D.

96.
? Title: ANOMALY DETECTION in CROWDS USING MULTI SENSORY INFORMATION
? Venue: Proceedings of Avss 2018 2018 15th IEEE International Conference on Advanced Video and Signal Based Surveillance
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 10
? Doi: 10.1109/Avss.2018.8639151
? Scopus ID: 2-s2.0-85063288175
? Authors: Irfan Muhammad; Tokarchuk Laurissa; Marcenaro Lucio; Regazzoni Carlo
? Source Id: 21101179617
? Author Ids: 57194206606;6602852642;6603377664;35513672400
? Authoraffiliationids: 60025153-60022109;60022109;60025153;60025153
? Corresponding: Irfan M.

97.
? Title: Fast but Not Deep: Efficient Crowd Abnormality Detection with Local Binary Tracklets
? Venue: Proceedings of Avss 2018 2018 15th IEEE International Conference on Advanced Video and Signal Based Surveillance
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 7
? Doi: 10.1109/Avss.2018.8639172
? Scopus ID: 2-s2.0-85063265019
? Authors: Ravanbakhsh Mahdyar; Mousavi Hossein; Nabi Moin; Marcenaro Lucio; Regazzoni Carlo
? Source Id: 21101179617
? Author Ids: 57192545758;59958723500;56097124600;6603377664;35513672400
? Authoraffiliationids: 60025153;60019141;60072347;60025153;60025153
? Corresponding: Ravanbakhsh M.

98.
? Title: Pervasive sensing for social connectedness
? Venue: Enhanced Living Environments
? Year: 2018
? Type: Book
? Subtype: Book Chapter
? Citations: 3
? DOI: 10.1049/PBHE010E_ch3
? Scopus ID: 2-s2.0-85117974437
? Pages: 49-79
? Authors: Davis Kadian; Owusu Evans B.; Marcenaro Lucio; Hu Jun; Regazzoni Carlo S.; Feijs Loe
? Keywords: Ambient assisted living environments | Assisted living | Bidirectional

activity-based peripheral systems | Bidirectional context-aware system | Biology and medical computing | Digital signal processing | Elderly caregivers | Geriatrics | Global population ageing | Human activity recognition models | Human computer interaction | Human-computer interaction | Medical signal processing | Multidisciplinary framework | Pervasive computing | Pervasive sensing | Quality of life | Signal processing | Smart devices | Social and behavioural sciences computing | Social connectedness | Social science | Social sciences | Socio-technical awareness systems | Ubiquitous and pervasive computing | Ubiquitous computing | User centred design | User interfaces | User-centred approach | User-driven methodological approach
  ? Source Id: 21101063181
  ? Author Ids: 56784973800;56785899000;6603377664;56442891500;35513672400;7004096151
  ? Authoraffiliationids: 60032882-60025153;117559686;60025153;60032882;60025153;60032882
  ? Corresponding: Davis K.
99.
  ? Title: Cyclostationary-based jammer detection for wideband radios using compressed sensing and artificial neural network
  ? Venue: International Journal of Distributed Sensor Networks
  ? Year: 2017
  ? Type: Journal
  ? Subtype: Article
  ? Citations: 3
  ? Doi: 10.1177/1550147717748900
  ? Scopus ID: 2-s2.0-85039858922
  ? Issn: 15501329
  ? eISSN: 15501477
  ? Volume: 13
  ? Issue: 12
  ? Authors: Nawaz Tassadaq; Marcenaro Lucio; Regazzoni Carlo S.
  ? Keywords: analog-to-digital converter | artificial neural network | compressed sensing | jamming attacks | spectral correlation function | Wideband radios
  ? Quartile:
   2025:
   ? Engineering (all) (Q1, rank 40, percentile 88)
   ? Computer Networks and Communications (Q1, rank 86, percentile 84)
   2017:
   ? Engineering (all) (Q1, rank 61, percentile 78)
   ? Computer Networks and Communications (Q2, rank 108, percentile 61)
  ? Source Id: 5800173381
  ? Author Ids: 57189034024;6603377664;35513672400
  ? Authoraffiliationids: 60025153;60025153;60025153-60001741
  ? Corresponding: Nawaz T.
100.
  ? Title: Energy Detection in Multi-user Relay Networks
  ? Venue: Wireless Personal Communications
  ? Year: 2017
  ? Type: Journal
  ? Subtype: Article
  ? Citations: 0
  ? DOI: 10.1007/s11277-017-4705-2
  ? Scopus ID: 2-s2.0-85026522415
  ? Issn: 09296212
  ? eISSN: 1572834X
  ? Volume: 97
  ? Issue: 3

101.
? Title: Static force field representation of environments based on agents? nonlinear motions
102.
? Title: Stealthy jammer detection algorithm for wide-band radios: A physical layer approach

? Scopus ID: 2-s2.0-85041418174
? Issn: 21619646
? eISSN: 21619654
? Volume: 2017-October
? Pages: 79-83
? Authors: Nawaz T.; Marcenaro L.; Regazzoni C. S.
? Quartile:
  2025:
  ? Computer Networks and Communications (Q3, rank 318, percentile 41)
  ? Hardware and Architecture (Q3, rank 157, percentile 33)
  ? Software (Q3, rank 340, percentile 32)
? Source Id: 21000195607
? Author Ids: 57189034024;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153-60001741
? Corresponding: Nawaz T.

103.
? Title: Active estimation of motivational spots for modeling dynamic interactions
? Venue: 2017 14th IEEE International Conference on Advanced Video and Signal Based
Surveillance Avss 2017
? Year: 2017
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.1109/Avss.2017.8078524
? Scopus ID: 2-s2.0-85039918173
? Authors: Olier Juan Sebastian; Campo Damian Andres; Marcenaro Lucio; Barakova Emilia;
 Rauterberg Matthias; Regazzoni Carlo
? Source Id: 21100844810
? Author Ids: 56728417800;57126952000;6603377664;35614959800;6701479494;35513672400
? Authoraffiliationids:
60025153-60032882;60025153;60025153;60032882;60032882;60025153-60001741
? Corresponding: Olier J.S.

104.
? Title: Modeling and classification of trajectories based on a Gaussian process
decomposition into discrete components
? Venue: 2017 14th IEEE International Conference on Advanced Video and Signal Based
Surveillance Avss 2017
? Year: 2017
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 6
? Doi: 10.1109/Avss.2017.8078495
? Scopus ID: 2-s2.0-85039917333
? Authors: Campo Damian; Baydoun Mohamad; Marcenaro Lucio; Cavallaro Andrea; Regazzoni
Carlo S.
? Source Id: 21100844810
? Author Ids: 57126952000;57194871976;6603377664;7103233230;35513672400
? Authoraffiliationids: 60025153;60025153-60022109;60025153;60022109;60025153-60001741
? Corresponding: Campo D.

105.
? Title: Dynamic representations for autonomous driving
? Venue: 2017 14th IEEE International Conference on Advanced Video and Signal Based
Surveillance Avss 2017
? Year: 2017

? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 7
? Doi: 10.1109/Avss.2017.8078511
? Scopus ID: 2-s2.0-85039905226
? Authors: Olier Juan Sebastian; Marin-Plaza Pablo; Martin David; Marcenaro Lucio; Barakova Emilia; Rauterberg Matthias; Regazzoni Carlo
? Source Id: 21100844810
? Author Ids:
56728417800;57190806708;59368746600;6603377664;35614959800;6701479494;35513672400
? Authoraffiliationids:
60032882-60025153;60001741;60001741;60025153;60032882;60032882;60025153-60001741
? Corresponding: Olier J.S.
106.
? Title: Unsupervised understanding of location and illumination changes in egocentric videos
? Venue: Pervasive and Mobile Computing
? Year: 2017
? Type: Journal
? Subtype: Article
? Citations: 3
? DOI: 10.1016/j.pmcj.2017.03.016
? Scopus ID: 2-s2.0-85018708591
? Issn: 15741192
? Volume: 40
? Pages: 414-429
? Authors: Betancourt Alejandro; Dˆ›az-Rodrˆ›guez Natalia; Barakova Emilia; Marcenaro Lucio; Rauterberg Matthias; Regazzoni Carlo
? Keywords: Egocentric videos | First person vision | Machine learning | Unsupervised learning | Wearable camera
? Quartile:
  2025:
  ? Computer Networks and Communications (Q1, rank 95, percentile 82)
  ? Software (Q1, rank 92, percentile 81)
  ? Computer Science Applications (Q1, rank 188, percentile 80)
  ? Information Systems (Q1, rank 98, percentile 80)
  ? Hardware and Architecture (Q1, rank 47, percentile 80)
  2017:
  ? Subject (Q1, rank 31, percentile 93)
  ? Subject (Q1, rank 7, percentile 88)
? Source Id: 3200147819
? Author Ids: 36503520400;55904010200;35614959800;6603377664;6701479494;35513672400
? Authoraffiliationids: 60025153-60032882;60137794;60032882;60025153;60032882;60025153
? Corresponding: Betancourt A.
107.
? Title: Smart cameras with onboard signcryption for securing IoT applications
? Venue: Giots 2017 Global Internet of Things Summit Proceedings
? Year: 2017
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 18
? Doi: 10.1109/Giots.2017.8016279
? Scopus ID: 2-s2.0-85029288430
? Authors: Ullah Subhan; Rinner Bernhard; Marcenaro Lucio

? Keywords: Internet of Things | Security | Signcryption | Smart camera
? Source Id: 21100830145
? Author Ids: 57214045908;6602718780;6603377664
? Authoraffiliationids: 60019660-60025153;60019660;60025153
? Corresponding: Ullah S.

108.
? Title: Defense against jamming attacks in wide-band radios using cyclic spectral analysis and compressed sensing
? Venue: International Conference on Ubiquitous and Future Networks Icufn
? Year: 2017
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/Icufn.2017.7993925
? Scopus ID: 2-s2.0-85028081535
? Issn: 21658528
? eISSN: 21658536
? Pages: 874-879
? Authors: Nawaz T.; Marcenaro L.; Regazzoni C. S.
? Quartile:
  2025:
  ? Computer Networks and Communications (Q3, rank 313, percentile 42)
  ? Computer Science Applications (Q3, rank 635, percentile 35)
  ? Hardware and Architecture (Q3, rank 155, percentile 33)
? Source Id: 21100278106
? Author Ids: 57189034024;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153-60001741
? Corresponding: Nawaz T.

109.
? Title: Jammer detection algorithm for wide-band radios using spectral correlation and neural networks
? Venue: 2017 13th International Wireless Communications and Mobile Computing Conference Iwcmc 2017
? Year: 2017
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 13
? Doi: 10.1109/Iwcmc.2017.7986294
? Scopus ID: 2-s2.0-85027870418
? Pages: 246-251
? Authors: Nawaz T.; Campo D.; Mughal M. O.; Marcenaro L.; Regazzoni C. S.
? Keywords: Artificial neural network | Cognitive radio | Jamming attacks | Spectral correlation function
? Source Id: 21100827797
? Author Ids: 57189034024;57126952000;54784921000;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Nawaz T.

110.
? Title: Abnormal event detection in videos using generative adversarial nets
? Venue: Proceedings International Conference on Image Processing Icip
? Year: 2017
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 479

? Doi: 10.1109/Icip.2017.8296547
? Scopus ID: 2-s2.0-85045346178
? Issn: 15224880
? Volume: 2017-September
? Pages: 1577-1581
? Authors: Ravanbakhsh Mahdyar; Nabi Moin; Sangineto Enver; Marcenaro Lucio; Regazzoni Carlo; Sebe Nicu
? Keywords: Abnormal event detection | Crowd behaviour analysis | Generative Adversarial Networks | Video analysis
? Quartile:
  2025:
  ? Computer Vision and Pattern Recognition (Q2, rank 64, percentile 62)
  ? Signal Processing (Q2, rank 78, percentile 60)
  ? Software (Q2, rank 247, percentile 50)
? Source Id: 144684
? Author Ids: 57192545758;56097124600;6506128346;6603377664;35513672400;57204924633
? Authoraffiliationids: 60025153;60015986;60015986;60025153;60025153-60001741;60015986
? Corresponding: Ravanbakhsh M.

111.
? Title: Task-dependent saliency estimation from trajectories of agents in video sequences
? Venue: Proceedings International Conference on Image Processing Icip
? Year: 2017
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Icip.2017.8297084
? Scopus ID: 2-s2.0-85045310006
? Issn: 15224880
? Volume: 2017-September
? Pages: 4252-4256
? Authors: Campo D.; Baydoun M.; Marcenaro L.; Regazzoni C. S.
? Keywords: Attention points detection | Gaussian process regression | Hough transform | Trajectory analysis | Vector field representation
? Quartile:
  2025:
  ? Computer Vision and Pattern Recognition (Q2, rank 64, percentile 62)
  ? Signal Processing (Q2, rank 78, percentile 60)
  ? Software (Q2, rank 247, percentile 50)
? Source Id: 144684
? Author Ids: 57126952000;57194871976;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60025153-60001741
? Corresponding: Campo D.

112.
? Title: Grounded representations through deep variational inference and dynamic programming
? Venue: 7th Joint IEEE International Conference on Development and Learning and on Epigenetic Robotics ICDL Epirob 2017
? Year: 2017
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/Devlrn.2017.8329818
? Scopus ID: 2-s2.0-85039899545

- ? Volume: 2018-January
- ? Pages: 277-282
- ? Authors: Olier Juan Sebastian; Barakova Emilia; Rauterberg Matthias; Marcenaro Lucio; Regazzoni Carlo
- ? Source Id: 21101180152
- ? Author Ids: 56728417800;35614959800;6701479494;6603377664;35513672400
- ? Authoraffiliationids: 60032882-60025153;60032882;60032882;60025153;60025153-60001741
- ? Corresponding: Olier J.S.

113.
- ? Title: Hand pose recognition in First Person Vision through graph spectral analysis
- ? Venue: ICASSP IEEE International Conference on Acoustics Speech and Signal Processing Proceedings
- ? Year: 2017
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 5
- ? Doi: 10.1109/Icassp.2017.7952481
- ? Scopus ID: 2-s2.0-85023745965
- ? Issn: 15206149
- ? Pages: 1872-1876
- ? Authors: Baydoun Mohamad; Betancourt Alejandro; Morerio Pietro; Marcenaro Lucio; Rauterberg Matthias; Regazzoni Carlo
- ? Keywords: Egocentric Vision | First Person Vision | Graphs | Hand Pose | Spectral Analysis
- ? Source Id: 110544
- ? Author Ids: 57194871976;36503520400;55364178700;6603377664;6701479494;35513672400
- ? Authoraffiliationids: 60025153;60025153-60032882;60025153;60025153;60032882;60025153
- ? Corresponding: Baydoun M.

114.
- ? Title: Crowd analysis using visual and non-visual sensors, a survey
- ? Venue: 2016 IEEE Global Conference on Signal and Information Processing Globalsip 2016 Proceedings
- ? Year: 2017
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 15
- ? DOI: 10.1109/GlobalSIP.2016.7906041
- ? Scopus ID: 2-s2.0-85019252190
- ? Pages: 1249-1254
- ? Authors: Irfan Muhammad; Marcenaro Lucio; Tokarchuk Laurissa
- ? Keywords: Computer Vision | Crowd Analysis | Crowd Dynamics | Crowd sensing | Sensors | Smart-phones
- ? Source Id: 21100812602
- ? Author Ids: 57194206606;6603377664;6602852642
- ? Authoraffiliationids: 60025153;60025153;60022109
- ? Corresponding: Irfan M.

115.
- ? Title: Designing for action: An evaluation of Social Recipes in reducing food waste
- ? Venue: International Journal of Human Computer Studies
- ? Year: 2017
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 53
- ? DOI: 10.1016/j.ijhcs.2016.12.005

? Scopus ID: 2-s2.0-85007507398
? Issn: 10715819
? eISSN: 10959300
? Volume: 100
? Pages: 18-32
? Authors: Lim Veranika; Funk Mathias; Marcenaro Lucio; Regazzoni Carlo; Rauterberg Matthias
? Keywords: Computer-supported collaborative work | Food technology | Food waste | Persuasive | Sharing | Social interaction | Sustainability
? Quartile:
  2025:
  ? Education (Q1, rank 75, percentile 95)
  ? Engineering (all) (Q1, rank 35, percentile 90)
  ? Human Factors and Ergonomics (Q1, rank 7, percentile 86)
  ? Hardware and Architecture (Q1, rank 35, percentile 85)
  ? Software (Q1, rank 75, percentile 85)
  ? Human-Computer Interaction (Q1, rank 42, percentile 78)
  2017:
  ? Human Factors and Ergonomics (Q1, rank 1, percentile 98)
  ? Education (Q1, rank 24, percentile 97)
  ? Engineering (all) (Q1, rank 15, percentile 94)
  ? Hardware and Architecture (Q1, rank 21, percentile 86)
  ? Human-Computer Interaction (Q1, rank 13, percentile 85)
  ? Software (Q1, rank 59, percentile 84)
 ? Source Id: 12960
 ? Author Ids: 56160370600;24468097500;6603377664;35513672400;6701479494
 ? Authoraffiliationids: 60032882-60025153;60032882;60025153;60025153;60032882
 ? Corresponding: Lim V.
116.
 ? Title: Evaluating human activity-based ambient lighting displays for effective peripheral communication
 ? Venue: Bodynets International Conference on Body Area Networks
 ? Year: 2017
 ? Type: Conference Proceeding
 ? Subtype: Conference Paper
 ? Citations: 1
 ? DOI: 10.4108/eai.15-12-2016.2267663
 ? Scopus ID: 2-s2.0-85085541737
 ? eISSN: 23103582
 ? Authors: Davis Kadian; Owusu Evans; Marcenaro Lucio; Feijs Loe; Regazzoni Carlo; Hu Jun
 ? Keywords: Ambient assisted living | Ambient lighting displays | Context awareness | Social connectedness
 ? Source Id: 21100874369
 ? Author Ids: 56784973800;56785899000;6603377664;7004096151;35513672400;56442891500
 ? Authoraffiliationids: 60032882;117559686;60025153;60032882;60025153;60032882
 ? Corresponding: Davis K.
117.
 ? Title: Security, privacy, and dependability technologies
 ? Venue: Measurable and Composable Security Privacy and Dependability for Cyberphysical Systems the Shield Methodology
 ? Year: 2017
 ? Type: Book
 ? Subtype: Book Chapter

? Citations: 0
? Doi: 10.1201/9781138042858
? Scopus ID: 2-s2.0-85052570835
? Pages: 30-103
? Authors: Azzoni Paolo; Geretti Luca; Abramo Antonio; Stefanidis Kyriakos; Gialelis
John; Papalambrou Andreas; Serpanos Dimitrios; Rantos Konstantinos; Toma Andrea;
Tassadaq Nawaz; Dabcevic Kresimir; Regazzoni Carlo; Marcenaro Lucio; Traversone
Massimo; Cesena Marco; Mignanti Silvano
? Source Id: 21100875665
? Author Ids: 13614142900;24450194200;7006405021;24177922500;8374256000;21834996800;358
76518100;6507911474;56303677700;57203660643;55363592300;35513672400;6603377664;57194378
721;35247512900;24724892100
? Authoraffiliationids: 116778097;60032256;60025965;60042257;60042257;60042257;60042257
;60035865;60032350;60025153;60025153;60025153;60025153;60024961;114506580;60032350
? Corresponding: Azzoni P.

118.
? Title: SHIELD technology demonstrators
? Venue: Measurable and Composable Security Privacy and Dependability for Cyberphysical
Systems the Shield Methodology
? Year: 2017
? Type: Book
? Subtype: Book Chapter
? Citations: 0
? Doi: 10.1201/9781138042858
? Scopus ID: 2-s2.0-85052557047
? Pages: 360-411
? Authors: Cesena Marco; Regazzoni Carlo; Marcenaro Lucio; Toma Andrea; Tassadaq Nawaz;
Dabcevic Kresimir; Hatzivasilis George; Fysarakis Konstantinos; Manifavas Charalampos;
Papaefstathiou Ioannis; Azzoni Paolo; Stefanidis Kyriakos
? Source Id: 21100875665
? Author Ids: 35247512900;35513672400;6603377664;56303677700;57203660643;55363592300;55
554489600;55427860800;16031576800;6701918242;13614142900;24177922500
? Authoraffiliationids: 60024961;60025153;60025153;60024961;60025153;60025153;60022461;
60019181;60113220;60022461;116778097;60042257
? Corresponding: Cesena M.

119.
? Title: Effects of Ambient Lighting Displays on Peripheral Activity Awareness
? Venue: IEEE Access
? Year: 2017
? Type: Journal
? Subtype: Article
? Citations: 26
? Doi: 10.1109/Access.2017.2703866
? Scopus ID: 2-s2.0-85028844777
? eISSN: 21693536
? Volume: 5
? Pages: 9318-9335
? Authors: Davis Kadian; Owusu Evans B.; Marcenaro Lucio; Feijs Loe; Regazzoni Carlo;
Hu Jun
? Keywords: ambient assisted living | ambient displays | Ambient intelligence | ambient
lighting | context awareness | perception | social connectedness
? 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)
2017:
? Engineering (all) (Q1, rank 68, percentile 75)
? Computer Science (all) (Q2, rank 58, percentile 72)
? Materials Science (all) (Q2, rank 203, percentile 54)
? Source Id: 21100374601
? Author Ids: 56784973800;56785899000;6603377664;7004096151;35513672400;56442891500
? Authoraffiliationids: 60032882-60025153;;60025153;60032882;60025153;60032882
? Corresponding: Davis K.
120.
? Title: Presenting a real-time activity-based bidirectional framework for improving social connectedness
? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics
? Year: 2017
? Type: Book Series
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1007/978-3-319-59147-6_31
? Scopus ID: 2-s2.0-85020882082
? Issn: 03029743
? eISSN: 16113349
? Volume: 10306 Lncs
? Pages: 356-367
? Authors: Davis Kadian; Owusu Evans; van den Boomen Geert; Apeldoorn Henk; Marcenaro Lucio; Regazzoni Carlo; Feijs Loe; Hu Jun
? Keywords: Ambient assisted living | Ambient displays | Human activity recognition | Internet of Things | Social connectedness
? Quartile:
2025:
? Theoretical Computer Science (Q3, rank 70, percentile 48)
? Computer Science (all) (Q3, rank 129, percentile 46)
2017:
? Computer Science (all) (Q2, rank 84, percentile 59)
? Theoretical Computer Science (Q3, rank 76, percentile 34)
? Source Id: 25674
? Author Ids: 56784973800;56785899000;36810590000;57194571621;6603377664;35513672400;7004096151;56442891500
? Authoraffiliationids: 60032882-60025153;;60032882;60032882;60025153;60025153;60032882;60032882
? Corresponding: Davis K.
121.
? Title: Left/right hand segmentation in egocentric videos
? Venue: Computer Vision and Image Understanding
? Year: 2017
? Type: Journal
? Subtype: Article
? Citations: 15
? DOI: 10.1016/j.cviu.2016.09.005
? Scopus ID: 2-s2.0-84994730556
? Issn: 10773142
? eISSN: 1090235X
? Volume: 154

? Pages: 73-81
? Authors: Betancourt Alejandro; Morerio Pietro; Barakova Emilia; Marcenaro Lucio; Rauterberg Matthias; Regazzoni Carlo
? Keywords: Egocentric vision | First person vision | Hand-identification | Hand-segmentation
? Quartile:
  2025:
  ? Signal Processing (Q1, rank 33, percentile 83)
  ? Computer Vision and Pattern Recognition (Q1, rank 34, percentile 80)
  ? Software (Q1, rank 125, percentile 75)
  2017:
  ? Signal Processing (Q1, rank 14, percentile 86)
  ? Computer Vision and Pattern Recognition (Q1, rank 11, percentile 86)
  ? Software (Q1, rank 58, percentile 84)
? Source Id: 24161
? Author Ids: 36503520400;55364178700;35614959800;6603377664;6701479494;35513672400
? Authoraffiliationids: 60025153-60032882;60025153;60032882;60025153;60032882;60025153
? Corresponding: Betancourt A.
122.
? Title: Improving awareness and social connectedness through the social hue: Insights and perspectives
? Venue: ACM International Conference Proceeding Series
? Year: 2016
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 14
? Doi: 10.1145/2996267.2996269
? Scopus ID: 2-s2.0-85014870900
? Pages: 12-23
? Authors: Davis Kadjan; Feijs Loe; Hu Jun; Marcenaro Lucio; Regazzoni Carlo
? Keywords: Ageing | Ambient lighting | Context awareness | Loneliness | Social counectedness
? Source Id: 11600154611
? Author Ids: 56784973800;7004096151;56442891500;6603377664;35513672400
? Authoraffiliationids: 60032882;60032882;60032882;60025153;60025153
? Corresponding: Davis K.
123.
? Title: Promoting social connectedness through human activity-based ambient displays
? Venue: ACM International Conference Proceeding Series
? Year: 2016
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 17
? Doi: 10.1145/2996267.2996274
? Scopus ID: 2-s2.0-85014838284
? Pages: 64-76
? Authors: Davis Kadian; Marcenaro Lucio; Owusu Evans; Regazzoni Carlo; Hu Jun; Feijs Loe
? Keywords: Activity detection | Ambient displays | Assistive technology | Context awareness | Social connectedness | Visual perception
? Source Id: 11600154611
? Author Ids: 56784973800;6603377664;56785899000;35513672400;56442891500;7004096151
? Authoraffiliationids: 60032882;60025153;112854574;60025153;60032882;60032882
? Corresponding: Davis K.

124.
  ? Title: Activity recognition based on inertial sensors for Ambient Assisted Living
  ? Venue: Fusion 2016 19th International Conference on Information Fusion Proceedings
  ? Year: 2016
  ? Type: Conference Proceeding
  ? Subtype: Conference Paper
  ? Citations: 73
  ? Scopus ID: 2-s2.0-84992124421
  ? Pages: 371-378
  ? Authors: Davis Kadian; Owusu Evans; Bastani Vahid; Marcenaro Lucio; Hu Jun; Regazzoni Carlo; Feijs Loe
  ? Source Id: 21100782624
  ? Author Ids: 56784973800;56785899000;36008019900;6603377664;56442891500;35513672400;7004096151
  ? Authoraffiliationids: 60032882;117559686;60025153;60025153;60032882;60025153;60032882
  ? Corresponding: Davis K.
125.
  ? Title: Incremental learning of environment interactive structures from trajectories of individuals
  ? Venue: Fusion 2016 19th International Conference on Information Fusion Proceedings
  ? Year: 2016
  ? Type: Conference Proceeding
  ? Subtype: Conference Paper
  ? Citations: 5
  ? Scopus ID: 2-s2.0-84992058693
  ? Pages: 589-596
  ? Authors: Campo Damian; Bastani Vahid; Marcenaro Lucio; Regazzoni Carlo
  ? Source Id: 21100782624
  ? Author Ids: 57126952000;36008019900;6603377664;35513672400
  ? Authoraffiliationids: 60025153;60025153;60025153;60025153
  ? Corresponding: Campo D.
126.
  ? Title: A hierarchical bayesian model for crowd emotions
  ? Venue: Frontiers in Computational Neuroscience
  ? Year: 2016
  ? Type: Journal
  ? Subtype: Article
  ? Citations: 14
  ? DOI: 10.3389/fncom.2016.00063
  ? Scopus ID: 2-s2.0-84978646620
  ? eISSN: 16625188
  ? Volume: 10
  ? Issue: JULY
  ? Authors: Urizar Oscar J.; Baig Mirza S.; Barakova Emilia I.; Regazzoni Carlo S.; Marcenaro Lucio; Rauterberg Matthias
  ? Keywords: Crowd behavior | Emotion estimation in crowds | Estimation of individual and collective emotions
  ? Quartile:
   2025:
   ? Neuroscience (miscellaneous) (Q1, rank 18, percentile 75)
   ? Cellular and Molecular Neuroscience (Q2, rank 49, percentile 51)
   2016:
   ? Neuroscience (miscellaneous) (Q2, rank 11, percentile 56)
   ? Cellular and Molecular Neuroscience (Q3, rank 54, percentile 37)

127.
? Title: A Cognitive Control-Inspired Approach to Object Tracking
? Venue: IEEE Transactions on Image Processing
? Year: 2016
? Type: Journal
? Subtype: Article
? Citations: 13
? Doi: 10.1109/Tip.2016.2553781
? Scopus ID: 2-s2.0-84968854639
? Issn: 10577149
? Volume: 25
? Issue: 6
? Pages: 2697-2711
? Authors: Mazzˆ„ Andrea; Morerio Pietro; Marcenaro Lucio; Regazzoni Carlo S.
? Keywords: Bayesian networks | Bayesian tracking | cognitive dynamic systems | information fusion | IR | learning
? Quartile:
  2025:
  ? Computer Graphics and Computer-Aided Design (Q1, rank 3, percentile 98)
  ? Software (Q1, rank 15, percentile 97)
  2016:
  ? Computer Graphics and Computer-Aided Design (Q1, rank 2, percentile 97)
  ? Software (Q1, rank 15, percentile 96)

128.
? Title: Online Nonparametric Bayesian Activity Mining and Analysis from Surveillance Video
? Venue: IEEE Transactions on Image Processing
? Year: 2016
? Type: Journal
? Subtype: Article
? Citations: 46
? Doi: 10.1109/Tip.2016.2540813
? Scopus ID: 2-s2.0-84963904087
? Issn: 10577149
? Volume: 25
? Issue: 5
? Pages: 2089-2102
? Authors: Bastani Vahid; Marcenaro Lucio; Regazzoni Carlo S.
? Keywords: abnormality detection | Dirichlet process mixture | Gaussian process | Incremental trajectory clustering | nonparametric Bayesian | online activity analysis | state dynamics learning
? Quartile:
  2025:
  ? Computer Graphics and Computer-Aided Design (Q1, rank 3, percentile 98)
  ? Software (Q1, rank 15, percentile 97)
  2016:

   ? Computer Graphics and Computer-Aided Design (Q1, rank 2, percentile 97)
   ? Software (Q1, rank 15, percentile 96)
  ? Source Id: 25534
  ? Author Ids: 36008019900;6603377664;35513672400
  ? Authoraffiliationids: 60025153;60025153;60025153
  ? Corresponding: Bastani V.

129.
  ? Title: Cognitive Radio as the Facilitator for Advanced Communications Electronic Warfare Solutions
  ? Venue: Journal of Signal Processing Systems
  ? Year: 2016
  ? Type: Journal
  ? Subtype: Article
  ? Citations: 15
  ? DOI: 10.1007/s11265-015-1050-0
  ? Scopus ID: 2-s2.0-84959513700
  ? Issn: 19398018
  ? eISSN: 19398115
  ? Volume: 83
  ? Issue: 1
  ? Pages: 29-44
  ? Authors: Dabcevic Kresimir; Mughal Muhammad Ozair; Marcenaro Lucio; Regazzoni Carlo S.
  ? Keywords: Anti-jamming | Cognitive radio | Compressed sampling | Feature detector | Interference mitigation | Spectrum intelligence
  ? Quartile:
   2025:
   ? Modeling and Simulation (Q1, rank 55, percentile 85)
   ? Theoretical Computer Science (Q1, rank 30, percentile 78)
   ? Signal Processing (Q1, rank 46, percentile 76)
   ? Control and Systems Engineering (Q2, rank 104, percentile 72)
   ? Information Systems (Q2, rank 146, percentile 70)
   ? Hardware and Architecture (Q2, rank 73, percentile 69)
   2016:
   ? Control and Systems Engineering (Q3, rank 121, percentile 45)
   ? Signal Processing (Q3, rank 54, percentile 42)
   ? Modeling and Simulation (Q3, rank 132, percentile 41)
   ? Information Systems (Q3, rank 152, percentile 39)
   ? Theoretical Computer Science (Q3, rank 76, percentile 36)
   ? Hardware and Architecture (Q3, rank 98, percentile 34)
  ? Source Id: 11400153333
  ? Author Ids: 55363592300;54784921000;6603377664;35513672400
  ? Authoraffiliationids: 60025153;60025153;60025153;60025153
  ? Corresponding: Dabcevic K.

130.
  ? Title: Cyclostationary-based jammer detection algorithm for wide-band radios using compressed sensing
  ? Venue: 2015 IEEE Global Conference on Signal and Information Processing Globalsip 2015
  ? Year: 2016
  ? Type: Conference Proceeding
  ? Subtype: Conference Paper
  ? Citations: 14
  ? DOI: 10.1109/GlobalSIP.2015.7418201

? Scopus ID: 2-s2.0-84964770234
? Pages: 280-284
? Authors: Mughal M. O.; Nawaz T.; Marcenaro L.; Regazzoni C. S.
? Source Id: 21100456761
? Author Ids: 54784921000;57189034024;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Mughal M.
131.
? Title: GPU accelerated left/right hand-segmentation in first person vision
? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in
Artificial Intelligence and Lecture Notes in Bioinformatics
? Year: 2016
? Type: Book Series
? Subtype: Conference Paper
? Citations: 4
? Doi: 10.1007/978-3-319-46604-0_36
? Scopus ID: 2-s2.0-84989929129
? Issn: 03029743
? eISSN: 16113349
? Volume: 9913 Lncs
? Pages: 504-517
? Authors: Betancourt Alejandro; Marcenaro Lucio; Barakova Emilia; Rauterberg Matthias;
Regazzoni Carlo
? Keywords: Egovision | GPU | Hand-detection | Hand-segmentation | Wearable cameras
? Quartile:
 2025:
 ? Theoretical Computer Science (Q3, rank 70, percentile 48)
 ? Computer Science (all) (Q3, rank 129, percentile 46)
 2016:
 ? Computer Science (all) (Q2, rank 79, percentile 60)
 ? Theoretical Computer Science (Q3, rank 79, percentile 33)
? Source Id: 25674
? Author Ids: 36503520400;6603377664;35614959800;6701479494;35513672400
? Authoraffiliationids: 60025153-60032882;60025153;60032882;60032882;60025153
? Corresponding: Betancourt A.
132.
? Title: A particle filter based sequential trajectory classifier for behavior analysis
 in video surveillance
? Venue: Proceedings International Conference on Image Processing Icip
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 7
? Doi: 10.1109/Icip.2015.7351493
? Scopus ID: 2-s2.0-84956646245
? Issn: 15224880
? Volume: 2015-December
? Pages: 3690-3694
? Authors: Bastani Vahid; Marcenaro Lucio; Regazzoni Carlo
? Keywords: Behavior Analysis | On-line Trajectory Classification | Video Surveillance
? Quartile:
 2025:
 ? Computer Vision and Pattern Recognition (Q2, rank 64, percentile 62)
 ? Signal Processing (Q2, rank 78, percentile 60)

? Software (Q2, rank 247, percentile 50)
? Source Id: 144684
? Author Ids: 36008019900;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Bastani V.

133.
? Title: Filtering SVM frame-by-frame binary classification in a detection framework
? Venue: Proceedings International Conference on Image Processing Icip
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 10
? Doi: 10.1109/Icip.2015.7351263
? Scopus ID: 2-s2.0-84956627285
? Issn: 15224880
? Volume: 2015-December
? Pages: 2552-2556
? Authors: Betancourt Alejandro; Morerio Pietro; Marcenaro Lucio; Rauterberg Matthias; Regazzoni Carlo
? Keywords: Bayesian Filtering | Classification | Detection | Egocentric Vision | First Person Vision | Hand detection | Wearable computing
? Quartile:
  2025:
  ? Computer Vision and Pattern Recognition (Q2, rank 64, percentile 62)
  ? Signal Processing (Q2, rank 78, percentile 60)
  ? Software (Q2, rank 247, percentile 50)
? Source Id: 144684
? Author Ids: 36503520400;55364178700;6603377664;6701479494;35513672400
? Authoraffiliationids: 60025153-60032882;60025153;60025153;60032882;60025153
? Corresponding: Betancourt A.

134.
? Title: Compressed sensing based jammer detection algorithm for wide-band cognitive radio networks
? Venue: 2015 3rd International Workshop on Compressed Sensing Theory and Its Applications to Radar Sonar and Remote Sensing Cosera 2015
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 9
? DOI: 10.1109/CoSeRa.2015.7330276
? Scopus ID: 2-s2.0-84962844498
? Pages: 119-123
? Authors: Mughal M. O.; Dabcevic K.; Marcenaro L.; Regazzoni C. S.
? Source Id: 21100455492
? Author Ids: 54784921000;55363592300;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Mughal M.

135.
? Title: Online pedestrian group walking event detection using spectral analysis of motion similarity graph
? Venue: Avss 2015 12th IEEE International Conference on Advanced Video and Signal Based Surveillance
? Year: 2015
? Type: Conference Proceeding

? Subtype: Conference Paper
? Citations: 11
? Doi: 10.1109/Avss.2015.7301744
? Scopus ID: 2-s2.0-84958639239
? Authors: Bastani Vahid; Campo Damian; Marcenaro Lucio; Regazzoni Carlo
? Keywords: Cameras | Clustering algorithms | Eigenvalues and eigenfunctions | Hidden Markov models | Kalman filters | Legged locomotion | Trajectory
? Source Id: 21100446605
? Author Ids: 36008019900;57126952000;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Bastani V.

136.
? Title: Perception of emotions from crowd dynamics
? Venue: International Conference on Digital Signal Processing DSP
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 10
? Doi: 10.1109/Icdsp.2015.7251966
? Scopus ID: 2-s2.0-84961366951
? Volume: 2015-September
? Pages: 703-707
? Authors: Baig M. W.; Baig Mirza Sulman; Bastani V.; Barakova E. I.; Marcenaro L.; Regazzoni C. S.; Rauterberg M.
? Keywords: Autobiographical Memory | Crowd emotion detection | Crowd simulation | Event based Dynamic Bayesian Network | Instantaneous Topological Map | Log-likelihood ratio
? Source Id: 92190
? Author Ids: 36959339700;57187798300;36008019900;35614959800;6603377664;35513672400;6701479494
? Authoraffiliationids: 60025153-60032882;60025153;60025153;60032882;60025153;60025153;60032882
? Corresponding: Baig M.W.

137.
? Title: A bio-inspired logical process for saliency detections in cognitive crowd monitoring
? Venue: ICASSP IEEE International Conference on Acoustics Speech and Signal Processing Proceedings
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.1109/Icassp.2015.7178343
? Scopus ID: 2-s2.0-84946099758
? Issn: 15206149
? Volume: 2015-August
? Pages: 2110-2114
? Authors: Chiappino Simone; Mazzu Andrea; Marcenaro Lucio; Regazzoni Carlo S.
? Keywords: cognitive crowd monitoring | human reasoning | machine learning | saliency detection | Self Organizing Maps
? Source Id: 110544
? Author Ids: 55416549200;56417940300;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Chiappino S.

138.
  ? Title: Advantages of dynamic analysis in HOG-PCA feature space for video moving
  object classification
  ? Venue: ICASSP IEEE International Conference on Acoustics Speech and Signal Processing
   Proceedings
  ? Year: 2015
  ? Type: Conference Proceeding
  ? Subtype: Conference Paper
  ? Citations: 3
  ? Doi: 10.1109/Icassp.2015.7178177
  ? Scopus ID: 2-s2.0-84946062615
  ? Issn: 15206149
  ? Volume: 2015-August
  ? Pages: 1285-1289
  ? Authors: Lopez Miriam M.; Marcenaro Lucio; Regazzoni Carlo S.
  ? Keywords: HMM | HOG | hybrid classifier | Moving object classification | PCA
  ? Source Id: 110544
  ? Author Ids: 35375481700;6603377664;35513672400
  ? Authoraffiliationids: 60025153;60025153;60025153
  ? Corresponding: Lopez M.M.
139.
  ? Title: Distributed binary consensus in networks with disturbances
  ? Venue: ACM Transactions on Autonomous and Adaptive Systems
  ? Year: 2015
  ? Type: Journal
  ? Subtype: Article
  ? Citations: 8
  ? Doi: 10.1145/2746347
  ? Scopus ID: 2-s2.0-84940989669
  ? Issn: 15564665
  ? eISSN: 15564703
  ? Volume: 10
  ? Issue: 3
  ? Authors: Gogolev Alexander; Marchenko Nikolaj; Marcenaro Lucio; Bettstetter Christian
  ? Keywords: Algorithms | Byzantine fault tolerance | C.2.4 [computer-communication
  networks]: distributed systems | C.4 [performance of systems]: fault tolerance |
  Consensus algorithms | Delayed system | Density classification | Fault tolerance |
  Faulty nodes | Majority sorting | Performance | Randomization | Self-organization
  ? Quartile:
   2025:
   ? Control and Systems Engineering (Q2, rank 120, percentile 68)
   ? Computer Science (miscellaneous) (Q2, rank 60, percentile 65)
   ? Software (Q2, rank 182, percentile 63)
   2015:
   ? Control and Systems Engineering (Q1, rank 35, percentile 83)
   ? Computer Science (miscellaneous) (Q1, rank 6, percentile 82)
   ? Software (Q1, rank 86, percentile 77)
  ? Source Id: 4800153205
  ? Author Ids: 56131967300;25961008300;6603377664;55952094600
  ? Authoraffiliationids: 60019660;60019660;60019660;60019660-60025153
  ? Corresponding: Gogolev A.
140.
  ? Title: Towards a unified framework for hand-based methods in First Person Vision
  ? Venue: 2015 IEEE International Conference on Multimedia and Expo Workshops Icmew 2015

141.

142.

? Keywords: Bayesian Filtering | egocentric vision | first-person vision | optimization
 | superpixel | video analysis
? Quartile:
  2025:
  ? Applied Mathematics (Q1, rank 66, percentile 90)
  ? Signal Processing (Q1, rank 44, percentile 77)
  ? Electrical and Electronic Engineering (Q1, rank 243, percentile 75)
  2015:
  ? Applied Mathematics (Q1, rank 43, percentile 89)
  ? Electrical and Electronic Engineering (Q1, rank 111, percentile 83)
  ? Signal Processing (Q1, rank 19, percentile 78)
? Source Id: 17316
? Author Ids: 55364178700;56397052800;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Morerio P.

143.
? Title: Design implications for a community-based social recipe system
? Venue: 2014 World Congress on Sustainable Technologies Wcst 2014
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Wcst.2014.7030089
? Scopus ID: 2-s2.0-84924230308
? Pages: 19-26
? Authors: Lim Veranika; Yalvaˆ§ Fulya; Funk Mathias; Hu Jun; Rauterberg Matthias;
Regazzoni Carlo; Marcenaro Lucio
? Source Id: 21100377487
? Author Ids:
56160370600;56160518500;24468097500;56442891500;6701479494;35513672400;6603377664
? Authoraffiliationids: 60032882;60032882;60032882;60032882;60032882;60025153;60025153
? Corresponding: Lim V.

144.
? Title: Improved throughput performance in wideband cognitive radios via compressive
sensing
? Venue: Proceedings 8th Eurosim Congress on Modelling and Simulation Eurosim 2013
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 6
? Doi: 10.1109/Eurosim.2013.102
? Scopus ID: 2-s2.0-84929603792
? Pages: 585-590
? Authors: Alam Sk Shariful; Marcenaro Lucio; Regazzoni Carlo S.
? Keywords: analog-to-information converter | compressive sampling | l1-norm
minimization | spectral estimation | wideband spectrum sensing
? Source Id: 21100392306
? Author Ids: 56011273900;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Alam S.S.

145.
? Title: A dynamic approach and a new dataset for hand-detection in first person vision
? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in
Artificial Intelligence and Lecture Notes in Bioinformatics

? Year: 2015
? Type: Book Series
? Subtype: Conference Paper
? Citations: 17
? Doi: 10.1007/978-3-319-23192-1_23
? Scopus ID: 2-s2.0-84945928067
? Issn: 03029743
? eISSN: 16113349
? Volume: 9256
? Pages: 274-287
? Authors: Betancourt Alejandro; Morerio Pietro; Barakova Emilia I.; Marcenaro Lucio; Rauterberg Matthias; Regazzoni Carlo S.
? Quartile:
  2025:
  ? Theoretical Computer Science (Q3, rank 70, percentile 48)
  ? Computer Science (all) (Q3, rank 129, percentile 46)
  2015:
  ? Computer Science (all) (Q2, rank 87, percentile 57)
  ? Theoretical Computer Science (Q3, rank 76, percentile 36)
? Source Id: 25674
? Author Ids: 36503520400;55364178700;35614959800;6603377664;6701479494;35513672400
? Authoraffiliationids: 60025153-60032882;60025153;60032882;60025153;60032882;60025153
? Corresponding: Betancourt A.
146.
  ? Title: Perception of human activities: A means to support connectedness between the elderly and their caregivers
  ? Venue: Ict4ageingwell 2015 Proceedings of the 1st International Conference on Information and Communication Technologies for Ageing Well and E Health
  ? Year: 2015
  ? Type: Conference Proceeding
  ? Subtype: Conference Paper
  ? Citations: 9
  ? Doi: 10.5220/0005490601940199
  ? Scopus ID: 2-s2.0-84939528055
  ? Pages: 194-199
  ? Authors: Davis Kadian; Owusu Evans; Regazzoni Carlo; Marcenaro Lucio; Feijs Loe; Hu Jun
  ? Keywords: Activity recognition | Connectedness | Monitoring | Perception | Sensors | Smart-phone
  ? Source Id: 21100992812
  ? Author Ids: 56784973800;56785899000;35513672400;6603377664;7004096151;56442891500
  ? Authoraffiliationids: 60032882;;60025153;60025153;60032882;60032882
  ? Corresponding: Davis K.
147.
  ? Title: E-comate: What?s your non-consumption?
  ? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics
  ? Year: 2015
  ? Type: Book Series
  ? Subtype: Conference Paper
  ? Citations: 3
  ? Doi: 10.1007/978-3-319-19258-1_40
  ? Scopus ID: 2-s2.0-84937501083
  ? Issn: 03029743

? Authors: Lim Veranika; Funk Mathias; Rauterberg Matthias; Marcenaro Lucio; Regazzoni Carlo
? Keywords: Eco-feedback | Food sustainability | Social interaction
? Quartile:
  2025:
  ? Theoretical Computer Science (Q3, rank 70, percentile 48)
  ? Computer Science (all) (Q3, rank 129, percentile 46)
  2015:
  ? Computer Science (all) (Q2, rank 87, percentile 57)
  ? Theoretical Computer Science (Q3, rank 76, percentile 36)
? Source Id: 25674
? Author Ids: 56160370600;24468097500;6701479494;6603377664;35513672400
? Authoraffiliationids: 60032882-60025153;60032882;60032882;60025153;60025153
? Corresponding: Lim V.

148.
? Title: Convolutional neural networks for detecting and mapping crowds in first person vision applications
? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics
? Year: 2015
? Type: Book Series
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1007/978-3-319-19258-1_39
? Scopus ID: 2-s2.0-84937469049
? Authors: Olier Juan Sebastian; Regazzoni Carlo; Marcenaro Lucio; Rauterberg Matthias
? Keywords: Convolutional neural networks | Crowds detection | Egocentric videos | Firstperson vision
? Quartile:
  2025:
  ? Theoretical Computer Science (Q3, rank 70, percentile 48)
  ? Computer Science (all) (Q3, rank 129, percentile 46)
  2015:
  ? Computer Science (all) (Q2, rank 87, percentile 57)
  ? Theoretical Computer Science (Q3, rank 76, percentile 36)
? Source Id: 25674
? Author Ids: 56728417800;35513672400;6603377664;6701479494
? Authoraffiliationids: 60025153-60032882;60025153;60025153;60032882
? Corresponding: Olier J.S.

149.
? Title: Unsupervised trajectory pattern classification using hierarchical Dirichlet Process Mixture hidden Markov model
? Venue: IEEE International Workshop on Machine Learning for Signal Processing Mlsp
? Year: 2014
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 21

? Authors: Bastani Vahid; Marcenaro Lucio; Regazzoni Carlo
? Keywords: Dirichlet Process Mixture | Motion Pattern Learning | Nonparametric Bayesian Learning | Unsupervised Trajectory Clustering
? Quartile:
  2025:
  ? Signal Processing (Q3, rank 125, percentile 36)
  ? Human-Computer Interaction (Q4, rank 153, percentile 20)

150.
? Title: Impact of transform coding in compressive sensing based wideband cognitive radios
? Venue: 2014 4th International Conference on Wireless Communications Vehicular Technology Information Theory and Aerospace and Electronic Systems Vitae 2014 Co Located with Global Wireless Summit
? Year: 2014
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Authors: Alam Sk Shariful; Marcenaro Lucio; Regazzoni Carlo S.
? Keywords: analog-to-information converter | compressive sampling | l1-minimization | mean square error | wideband spectrum sensing

151.
? Title: Online Bayesian learning and classification of ship-to-ship interactions for port safety
? Venue: 11th IEEE International Conference on Advanced Video and Signal Based Surveillance Avss 2014
? Year: 2014
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Authors: Castaldo Francesco; Palmieri Francesco A.N.; Bastani Vahid; Marcenaro Lucio; Regazzoni Carlo

152.
? Title: Abnormal vessel behavior detection in port areas based on Dynamic Bayesian

Networks
? Venue: Fusion 2014 17th International Conference on Information Fusion
? Year: 2014
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 33
? Scopus ID: 2-s2.0-84910678382
? Authors: Castaldo Francesco; Palmieri Francesco A.N.; Bastani Vahid; Marcenaro Lucio; Regazzoni Carlo
? Source Id: 21100346202
? Author Ids: 55758951000;7103111570;36008019900;6603377664;35513672400
? Authoraffiliationids: 60026777;60026777;60025153;60025153;60025153
? Corresponding: Castaldo F.
153.
? Title: A switching fusion filter for dim point target tracking in infra-red video sequences
? Venue: Fusion 2014 17th International Conference on Information Fusion
? Year: 2014
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 6
? Scopus ID: 2-s2.0-84910634392
? Authors: Mazzˆ„ Andrea; Chiappino Simone; Marcenaro Lucio; Regazzoni Carlo S.
? Keywords: Bayesian filtering | Bayesian switching models | Infra Red images | Interactive Multiple Models | Track-Before-Detect
? Source Id: 21100346202
? Author Ids: 56417940300;55416549200;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Mazzˆ„ A.
154.
? Title: A generative superpixel method
? Venue: Fusion 2014 17th International Conference on Information Fusion
? Year: 2014
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 8
? Scopus ID: 2-s2.0-84910622125
? Authors: Morerio Pietro; Marcenaro Lucio; Regazzoni Carlo S.
? Keywords: Growing Neural Gas | Instantaneous Topological Map | Segmentation | Superpixel
? Source Id: 21100346202
? Author Ids: 55364178700;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Morerio P.
155.
? Title: Bio-inspired probabilistic model for crowd emotion detection
? Venue: Proceedings of the International Joint Conference on Neural Networks
? Year: 2014
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 8
? Doi: 10.1109/Ijcnn.2014.6889964
? Scopus ID: 2-s2.0-84908494982
? Pages: 3966-3973

? Authors: Baig Mirza Waqar; Barakova Emilia I.; Marcenaro Lucio; Regazzoni Carlo S.; Rauterberg Matthias
? Source Id: 96537
? Author Ids: 36959339700;35614959800;6603377664;35513672400;6701479494
? Authoraffiliationids: 60032882-60025153;60032882;60025153;60025153;60032882
? Corresponding: Baig M.W.

156.
? Title: Energy detection in multihop cooperative diversity networks: An analytical study
? Venue: International Journal of Distributed Sensor Networks
? Year: 2014
? Type: Journal
? Subtype: Article
? Citations: 7
? Doi: 10.1155/2014/453248
? Scopus ID: 2-s2.0-84896863323
? Issn: 15501329
? eISSN: 15501477
? Volume: 2014
? Authors: Mughal M. O.; Marcenaro L.; Regazzoni C. S.
? Quartile:
 2025:
 ? Engineering (all) (Q1, rank 40, percentile 88)
 ? Computer Networks and Communications (Q1, rank 86, percentile 84)
 2014:
 ? Engineering (all) (Q2, rank 102, percentile 62)
 ? Computer Networks and Communications (Q3, rank 147, percentile 34)
? Source Id: 5800173381
? Author Ids: 54784921000;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Mughal M.

157.
? Title: A track-before-detect algorithm using joint probabilistic data association filter and interacting multiple models
? Venue: 2014 IEEE International Conference on Image Processing Icip 2014
? Year: 2014
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Doi: 10.1109/Icip.2014.7026002
? Scopus ID: 2-s2.0-84949928607
? Pages: 4947-4951
? Authors: Mazzu Andrea; Chiappino Simone; Marcenaro Lucio; Regazzoni Carlo S.
? Keywords: extended objects | IMM | IR sequences | JPDAF | Track-Before-Detect
? Source Id: 21100395901
? Author Ids: 56417940300;55416549200;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Mazzu A.

158.
? Title: Crowd emotion detection using dynamic probabilistic models
? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics
? Year: 2014
? Type: Book Series

? Authors: Baig Mirza Waqar; Barakova Emilia I.; Marcenaro Lucio; Rauterberg Matthias; Regazzoni Carlo S.
? Keywords: Autobiographical Memory | Collective Behavior | Crowd Emotions Detection | Dynamic Bayesian Networks | Dynamic event modeling
? Quartile:
  2025:
  ? Theoretical Computer Science (Q3, rank 70, percentile 48)
  ? Computer Science (all) (Q3, rank 129, percentile 46)
  2014:
  ? Computer Science (all) (Q2, rank 87, percentile 56)
  ? Theoretical Computer Science (Q3, rank 82, percentile 30)
? Source Id: 25674
? Author Ids: 36959339700;35614959800;6603377664;6701479494;35513672400
? Authoraffiliationids: 60032882-60025153;60032882;60025153;60032882;60025153
? Corresponding: Baig M.

159.
? Title: Intelligent cognitive radio jamming - A game-theoretical approach
? Venue: Eurasip Journal on Advances in Signal Processing
? Year: 2014
? Type: Journal
? Subtype: Article
? Citations: 27
? Doi: 10.1186/1687-6180-2014-171
? Scopus ID: 2-s2.0-84943400989
? Issn: 16876172
? eISSN: 16876180
? Volume: 2014
? Issue: 1
? Pages: 1-18
? Authors: Dabcevic Kresimir; Betancourt Alejandro; Marcenaro Lucio; Regazzoni Carlo S.
? Keywords: Adaptive play | Anti-jamming | Fictitious play | Frequency hopping | Game theory | Jamming | Markov models | Non-zero-sum game | Power allocation | Smart transmission layer | Stochastic game
? Quartile:
  2025:
  ? Signal Processing (Q2, rank 53, percentile 73)
  ? Electrical and Electronic Engineering (Q2, rank 284, percentile 71)
  ? Hardware and Architecture (Q2, rank 82, percentile 65)
  2014:
  ? Electrical and Electronic Engineering (Q2, rank 236, percentile 63)
  ? Signal Processing (Q2, rank 35, percentile 57)
  ? Hardware and Architecture (Q2, rank 64, percentile 54)
? Source Id: 15300154801
? Author Ids: 55363592300;36503520400;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Dabcevic K.

160.
  ? Title: Asymptotic detection performance of energy detector in fixed-gain cooperative relay networks
  ? Venue: Iisa 2014 5th International Conference on Information Intelligence Systems and Applications
  ? Year: 2014
  ? Type: Conference Proceeding
  ? Subtype: Conference Paper
  ? Citations: 4
  ? Doi: 10.1109/Iisa.2014.6878756
  ? Scopus ID: 2-s2.0-84906748615
  ? Pages: 280-284
  ? Authors: Mughal Muhammad Ozair; Marcenaro Lucio; Regazzoni Carlo S.
  ? Keywords: Cognitive radio | energy detection | maximum-ratio combining
  ? Source Id: 21100332232
  ? Author Ids: 54784921000;6603377664;35513672400
  ? Authoraffiliationids: 60025153;60025153;60025153
  ? Corresponding: Mughal M.
161.
  ? Title: SPD-driven smart transmission layer based on a software defined radio test bed architecture
  ? Venue: Peccs 2014 Proceedings of the 4th International Conference on Pervasive and Embedded Computing and Communication Systems
  ? Year: 2014
  ? Type: Conference Proceeding
  ? Subtype: Conference Paper
  ? Citations: 7
  ? Doi: 10.5220/0004876302190230
  ? Scopus ID: 2-s2.0-84905283955
  ? Pages: 219-230
  ? Authors: Dabcevic Kresimir; Marcenaro Lucio; Regazzoni Carlo S.
  ? Keywords: Cognitive radio | CR | Dependability | Energy detector spectrum sensing | Jamming | NSHIELD | Privacy | SDR | Security | Smart transmission layer | Software defined radio | Test bed
  ? Source Id: 21100332449
  ? Author Ids: 55363592300;6603377664;35513672400
  ? Authoraffiliationids: 60025153;60025153;60025153
  ? Corresponding: Dabcevic K.
162.
  ? Title: Information Bottleneck-based relevant knowledge representation in large-scale video surveillance systems
  ? Venue: ICASSP IEEE International Conference on Acoustics Speech and Signal Processing Proceedings
  ? Year: 2014
  ? Type: Conference Proceeding
  ? Subtype: Conference Paper
  ? Citations: 1
  ? Doi: 10.1109/Icassp.2014.6854426
  ? Scopus ID: 2-s2.0-84905270505
  ? Issn: 15206149
  ? Pages: 4364-4368
  ? Authors: Chiappino Simone; Marcenaro Lucio; Regazzoni Carlo S.
  ? Keywords: Anomalous event detections | Cognitive systems | Crowd monitoring | Information bottleneck | Self-Organizing Maps

? Source Id: 110544
? Author Ids: 55416549200;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Chiappino S.

163.
? Title: Exploiting an event based state estimator in presence of sparse measurements
in video analytics
? Venue: ICASSP IEEE International Conference on Acoustics Speech and Signal Processing
Proceedings
? Year: 2014
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.1109/Icassp.2014.6853923
? Scopus ID: 2-s2.0-84905269964
? Issn: 15206149
? Pages: 1871-1875
? Authors: Morerio Pietro; Pompei Mattia; Marcenaro Lucio; Regazzoni Carlo S.
? Keywords: Bayesian filtering | EBSE | Failing detector | Hybrid update | Package loss
| Sparse measurements
? Source Id: 110544
? Author Ids: 55364178700;56303571300;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Morerio P.

164.
? Title: A fictitious play-based game-theoretical approach to alleviating jamming
attacks for cognitive radios
? Venue: ICASSP IEEE International Conference on Acoustics Speech and Signal Processing
Proceedings
? Year: 2014
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 27
? Doi: 10.1109/Icassp.2014.6855191
? Scopus ID: 2-s2.0-84905251124
? Issn: 15206149
? Pages: 8158-8162
? Authors: Dabcevic Kresimir; Betancourt Alejandro; Marcenaro Lucio; Regazzoni Carlo S.
? Keywords: anti-jamming | channel surfing | cognitive radio | fictitious play | game
theory | jamming | Markov models | power alteration
? Source Id: 110544
? Author Ids: 55363592300;36503520400;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Dabcevic K.

165.
? Title: Efficient binary consensus in randomized and noisy environments
? Venue: IEEE Issnip 2014 2014 IEEE 9th International Conference on Intelligent Sensors
Sensor Networks and Information Processing Conference Proceedings
? Year: 2014
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Issnip.2014.6827594
? Scopus ID: 2-s2.0-84903731547

? Authors: Gogolev Alexander E.; Marcenaro Lucio
? Keywords: Binary consensus | Density classification | Distributed consensus |
Majority sorting | Randomized consensus | Self-organization | Waitfree consensus
? Source Id: 21100322389
? Author Ids: 56131967300;6603377664
? Authoraffiliationids: 60019660;60025153
? Corresponding: Gogolev A.

166.
? Title: Randomized binary consensus with faulty agents
? Venue: Entropy
? Year: 2014
? Type: Journal
? Subtype: Article
? Citations: 4
? DOI: 10.3390/e16052820
? Scopus ID: 2-s2.0-84901409408
? eISSN: 10994300
? Volume: 16
? Issue: 5
? Pages: 2820-2838
? Authors: Gogolev Alexander; Marcenaro Lucio
? Keywords: Binary consensus | Byzantine failure | Density classification | Faulty
agents | Randomized consensus | Self-organizing systems
? Quartile:
  2025:
  ? Mathematical Physics (Q1, rank 11, percentile 88)
  ? Physics and Astronomy (miscellaneous) (Q1, rank 22, percentile 75)
  ? Physics and Astronomy (all) (Q2, rank 74, percentile 70)
  ? Electrical and Electronic Engineering (Q2, rank 317, percentile 68)
  ? Information Systems (Q2, rank 178, percentile 64)
  2014:
  ? Physics and Astronomy (all) (Q2, rank 82, percentile 59)
? Source Id: 13715
? Author Ids: 56131967300;6603377664
? Authoraffiliationids: 60019660-60025153;60025153
? Corresponding: Gogolev A.

167.
? Title: Density classification in asynchronous random networks with faulty nodes
? Venue: Proceedings 2014 22nd Euromicro International Conference on Parallel
Distributed and Network Based Processing Pdp 2014
? Year: 2014
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.1109/Pdp.2014.62
? Scopus ID: 2-s2.0-84899434740
? Pages: 256-261
? Authors: Gogolev Alexander; Marcenaro Lucio
? Keywords: binary consensus | Byzantine failure | density classification | distributed
 consensus | majority sorting | randomized consensus | self-organization
? Source Id: 21100307452
? Author Ids: 56131967300;6603377664
? Authoraffiliationids: 60019660-60025153;60025153
? Corresponding: Gogolev A.

168.
  ? Title: Hand detection in First Person Vision
  ? Venue: Proceedings of the 16th International Conference on Information Fusion Fusion 2013
  ? Year: 2013
  ? Type: Conference Proceeding
  ? Subtype: Conference Paper
  ? Citations: 28
  ? Scopus ID: 2-s2.0-84890827859
  ? Pages: 1502-1507
  ? Authors: Morerio Pietro; Marcenaro Lucio; Regazzoni Carlo S.
  ? Source Id: 21100276204
  ? Author Ids: 55364178700;6603377664;35513672400
  ? Authoraffiliationids: 60025153;60025153;60025153
  ? Corresponding: Morerio P.
169.
  ? Title: A bio-inspired knowledge representation method for anomaly detection in cognitive Video Surveillance systems
  ? Venue: Proceedings of the 16th International Conference on Information Fusion Fusion 2013
  ? Year: 2013
  ? Type: Conference Proceeding
  ? Subtype: Conference Paper
  ? Citations: 7
  ? Scopus ID: 2-s2.0-84890810068
  ? Pages: 242-249
  ? Authors: Chiappino Simone; Morerio Pietro; Marcenaro Lucio; Regazzoni Carlo S.
  ? Keywords: Anomalous interactions | Bio-inspired learning | Cognitive systems | Crowd monitoring
  ? Source Id: 21100276204
  ? Author Ids: 55416549200;55364178700;6603377664;35513672400
  ? Authoraffiliationids: 60025153;60025153;60025153;60025153
  ? Corresponding: Chiappino S.
170.
  ? Title: Event definition for stability preservation in bio-inspired cognitive crowd monitoring
  ? Venue: 2013 18th International Conference on Digital Signal Processing DSP 2013
  ? Year: 2013
  ? Type: Conference Proceeding
  ? Subtype: Conference Paper
  ? Citations: 5
  ? Doi: 10.1109/lcdsp.2013.6622802
  ? Scopus ID: 2-s2.0-84888865720
  ? Authors: Chiappino Simone; Morerio Pietro; Marcenaro Lucio; Regazzoni Carlo S.
  ? Keywords: Bio-inspired learning | Cognitive dynamic systems | Crowd monitoring | Interaction modelling | Self Organizing Maps
  ? Source Id: 21100269603
  ? Author Ids: 55416549200;55364178700;6603377664;35513672400
  ? Authoraffiliationids: 60025153;60025153;60025153;60025153
  ? Corresponding: Chiappino S.
171.
  ? Title: Enhanced performance in wideband cognitive radios via compressive sensing
  ? Venue: 2013 IEEE Global Conference on Signal and Information Processing Globalsip 2013 Proceedings

? Year: 2013
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? DOI: 10.1109/GlobalSIP.2013.6737145
? Scopus ID: 2-s2.0-84897713983
? Pages: 1290-1293
? Authors: Alam Sk Shariful; Marcenaro Lucio; Regazzoni Carlo S.
? Keywords: Analogto-information converter | Compressive sensing | L1-norm minimization | Spectrum estimation | Wideband spectrum sensing
? Source Id: 21100291850
? Author Ids: 56011273900;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Alam S.

172.
? Title: Computationally efficient compressive sensing in wideband cognitive radios
? Venue: International Conference on Next Generation Mobile Applications Services and Technologies
? Year: 2013
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 6
? Doi: 10.1109/Ngmast.2013.48
? Scopus ID: 2-s2.0-84892709214
? Issn: 21612889
? eISSN: 21612897
? Pages: 226-231
? Authors: Alam Sk Shariful; Mughal Muhammad Ozair; Marcenaro Lucio; Regazzoni Carlo S.
? Keywords: Analog-to-information converter | Compressive sensing | L1-norm minimization | Spectral estimation | Wideband spectrum sensing
? Source Id: 21000195603
? Author Ids: 56011273900;54784921000;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Alam S.S.

173.
? Title: Analysis of energy detector in cooperative relay networks for cognitive radios
? Venue: International Conference on Next Generation Mobile Applications Services and Technologies
? Year: 2013
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 8
? Doi: 10.1109/Ngmast.2013.47
? Scopus ID: 2-s2.0-84892708764
? Issn: 21612889
? eISSN: 21612897
? Pages: 220-225
? Authors: Mughal Muhammad Ozair; Razi Adeel; Alam Sk Shariful; Marcenaro Lucio; Regazzoni Carlo S.
? Keywords: Cooperative networks | Energy detection | Spectrum sensing
? Source Id: 21000195603
? Author Ids: 54784921000;25031569200;56011273900;6603377664;35513672400
? Authoraffiliationids: 60025153;60060302-60022148;60025153;60025153;60025153
? Corresponding: Mughal M.

174.
  ? Title: Security in Cognitive Radio Networks
  ? Venue: Evolution of Cognitive Networks and Self Adaptive Communication Systems
  ? Year: 2013
  ? Type: Book
  ? Subtype: Book Chapter
  ? Citations: 11
  ? DOI: 10.4018/978-1-4666-4189-1.ch013
  ? Scopus ID: 2-s2.0-84905236418
  ? Pages: 301-335
  ? Authors: Dabcevic Kre?imir; Marcenaro Lucio; Regazzoni Carlo S.
  ? Source Id: 21100418572
  ? Author Ids: 55363592300;6603377664;35513672400
  ? Authoraffiliationids: 60025153;60025153;60025153
  ? Corresponding: Dabcevic K.
175.
  ? Title: Run length encoded Dynamic Bayesian Networks for probabilistic interaction
  modeling
  ? Venue: European Signal Processing Conference
  ? Year: 2013
  ? Type: Conference Proceeding
  ? Subtype: Conference Paper
  ? Citations: 3
  ? Scopus ID: 2-s2.0-84901291075
  ? Issn: 22195491
  ? Authors: Chiappino Simone; Marcenaro Lucio; Morerio Pietro; Regazzoni Carlo
  ? Keywords: bio-inspired learning | cognitive system | crowd monitoring | Event based
  DBN | interaction modeling
  ? Quartile:
   2025:
   ? Signal Processing (Q3, rank 109, percentile 44)
   ? Electrical and Electronic Engineering (Q3, rank 573, percentile 42)
  ? Source Id: 21100204301
  ? Author Ids: 55416549200;6603377664;55364178700;35513672400
  ? Authoraffiliationids: 60025153;60025153;60025153;60025153
  ? Corresponding: Chiappino S.
176.
  ? Title: Dynamic Bayesian multitarget tracking for behavior and interaction detection
  ? Venue: Effective Surveillance for Homeland Security Balancing Technology and Social
  Issues
  ? Year: 2013
  ? Type: Book
  ? Subtype: Book Chapter
  ? Citations: 2
  ? DOI: 10.1201/b14839
  ? Scopus ID: 2-s2.0-84900432031
  ? Pages: 489-510
  ? Authors: Marcenaro Lucio; Soto Mauricio; Regazzoni Carlo S.
  ? Source Id: 21100879073
  ? Author Ids: 6603377664;36631111700;35513672400
  ? Authoraffiliationids: 60025153;60025153;60025153
  ? Corresponding: Marcenaro L.
177.
  ? Title: Selective attention automatic focus for cognitive crowd monitoring

? Venue: 2013 10th IEEE International Conference on Advanced Video and Signal Based Surveillance Avss 2013
? Year: 2013
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 11
? Doi: 10.1109/Avss.2013.6636609
? Scopus ID: 2-s2.0-84890862618
? Pages: 13-18
? Authors: Chiappino Simone; Marcenaro Lucio; Regazzoni Carlo
? Source Id: 21100276234
? Author Ids: 55416549200;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Chiappino S.
178.
? Title: Early fire and smoke detection based on colour features and motion analysis
? Venue: Proceedings International Conference on Image Processing Icip
? Year: 2012
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 35
? Doi: 10.1109/Icip.2012.6467041
? Scopus ID: 2-s2.0-84875856982
? Issn: 15224880
? Pages: 1041-1044
? Authors: Morerio Pietro; Marcenaro Lucio; Regazzoni Carlo S.; Gera Gianluca
? Keywords: Colour Space | Entropy Estimation | Fire Detection | Multi-Layers Perceptron | Smoke Detection
? Quartile:
  2025:
  ? Computer Vision and Pattern Recognition (Q2, rank 64, percentile 62)
  ? Signal Processing (Q2, rank 78, percentile 60)
  ? Software (Q2, rank 247, percentile 50)
? Source Id: 144684
? Author Ids: 55364178700;6603377664;35513672400;56616314700
? Authoraffiliationids: 60025153;60025153;60025153;101826037
? Corresponding: Morerio P.
179.
? Title: Location Aware Optimized Link State Routing protocol
? Venue: Proceedings IEEE Military Communications Conference MILCOM
? Year: 2012
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/Milcom.2012.6415639
? Scopus ID: 2-s2.0-84874344265
? Authors: Pozzo Fabio; Marcenaro Lucio; Regazzoni Carlo; Gesmundo Vincenzo
? Source Id: 87683
? Author Ids: 57212274630;6603377664;35513672400;16024577500
? Authoraffiliationids: 113432622;113432622;113432622;60081931
? Corresponding: Pozzo F.
180.
? Title: Performance evaluation of multi-camera visual tracking
? Venue: Proceedings 2012 IEEE 9th International Conference on Advanced Video and

Signal Based Surveillance Avss 2012
? Year: 2012
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 6
? Doi: 10.1109/Avss.2012.86
? Scopus ID: 2-s2.0-84868227043
? Pages: 464-469
? Authors: Marcenaro Lucio; Morerio Pietro; Regazzoni Carlo S.
? Keywords: Data fusion | Multi-camera tracking | Performance evaluation | RBMCDA
? Source Id: 21100218511
? Author Ids: 6603377664;55364178700;35513672400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Marcenaro L.
181.
? Title: People count estimation in small crowds
? Venue: Proceedings 2012 IEEE 9th International Conference on Advanced Video and Signal Based Surveillance Avss 2012
? Year: 2012
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 23
? Doi: 10.1109/Avss.2012.88
? Scopus ID: 2-s2.0-84868222531
? Pages: 476-480
? Authors: Morerio Pietro; Marcenaro Lucio; Regazzoni Carlo S.
? Keywords: Camera calibration | Count estimation | Crowd | Groups | Projective geometry
? Source Id: 21100218511
? Author Ids: 55364178700;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Morerio P.
182.
? Title: A multi-sensor cognitive approach for active security monitoring of abnormal overcrowding situations
? Venue: 15th International Conference on Information Fusion Fusion 2012
? Year: 2012
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 14
? Scopus ID: 2-s2.0-84867656701
? Pages: 2215-2222
? Authors: Chiappino Simone; Morerio Pietro; Marcenaro Lucio; Fuiano Elisabetta; Repetto Giulia; Regazzoni Carlo S.
? Source Id: 21100218059
? Author Ids: 55416549200;55364178700;6603377664;55416372300;55415756100;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Chiappino S.
183.
? Title: Distributed cognitive radio architecture with automatic frequency switching
? Venue: 2012 IEEE Workshop on Complexity in Engineering Compeng 2012 Proceedings
? Year: 2012
? Type: Conference Proceeding
? Subtype: Conference Paper

? Citations: 9
? DOI: 10.1109/CompEng.2012.6242968
? Scopus ID: 2-s2.0-84866527112
? Pages: 139-142
? Authors: Morerio Pietro; Dab?evi? Kre?imir; Marcenaro Lucio; Regazzoni Carlo S.
? Source Id: 21100216332
? Author Ids: 55364178700;55363592300;6603377664;35513672400
? Authoraffiliationids: 113086089;113086089;113086089;113086089
? Corresponding: Morerio P.
184.
? Title: Opportunistic Spectrum Sensing and Transmissions
? Venue: Cognitive Radio and Interference Management Technology and Strategy
? Year: 2012
? Type: Book
? Subtype: Book Chapter
? Citations: 13
? DOI: 10.4018/978-1-4666-2005-6.ch001
? Scopus ID: 2-s2.0-105015002868
? Pages: 1-28
? Authors: Alam S. S.; Marcenaro L.; Regazzoni C. S.
? Source Id: 21101326491
? Author Ids: 56011273900;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Alam S.S.
185.
? Title: Efficient framework for extended visual object tracking
? Venue: Proceedings of the IEEE International Conference on Computer Vision
? Year: 2011
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/Iccvw.2011.6130471
? Scopus ID: 2-s2.0-84856637779
? Pages: 1831-1838
? Authors: Alvarez Mauricio Soto; Marcenaro Lucio; Regazzoni Carlo S.
? Quartile:
  2025:
  ? Software (Q1, rank 6, percentile 98)
  ? Computer Vision and Pattern Recognition (Q1, rank 6, percentile 96)
  2011:
  ? Software (Q1, rank 86, percentile 75)
  ? Computer Vision and Pattern Recognition (Q1, rank 14, percentile 75)
? Source Id: 110561
? Author Ids: 54956054600;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Alvarez M.
186.
? Title: Smart sensing framework for automotive safety based on a dual-camera system
and CANbus data
? Venue: Proceedings Elmar International Symposium Electronics in Marine
? Year: 2011
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2

? Scopus ID: 2-s2.0-80055076052
? Issn: 13342630
? Pages: 55-58
? Authors: Ciardelli Lorenzo; Marcenaro Lucio; Regazzoni Carlo S.
? Keywords: automotive safety | CANbus | Intelligent vehicles | video processing
? Quartile:
  2025:
  ? Electrical and Electronic Engineering (Q3, rank 721, percentile 27)
? Source Id: 145063
? Author Ids: 35217649300;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Ciardelli L.
187.
? Title: VTrack: Video analytics for automatic video-surveillance
? Venue: 2011 8th IEEE International Conference on Advanced Video and Signal Based Surveillance Avss 2011
? Year: 2011
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Avss.2011.6027405
? Scopus ID: 2-s2.0-80053998194
? Pages: 536-538
? Authors: De Titta Simone; Gera Gianluca; Marcenaro Lucio
? Source Id: 20000195052
? Author Ids: 53163486400;56616314700;6603377664
? Authoraffiliationids: 109985492;109985492;60025153
? Corresponding: De Titta S.
188.
? Title: Multi-camera indoor video processing for context awareness
? Venue: Mobimedia 2007 Proceedings of the 3rd International Conference on Mobile Multimedia Communications
? Year: 2007
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? DOI: 10.4108/icst.mobimedia2007.1743
? Scopus ID: 2-s2.0-85027469614
? Authors: Marcenaro L.; Magliano I.; Beoldo A.; Valla M.; Regazzoni C. S.
? Keywords: Ambient intelligence context aware applications | Video processing | Video surveillance
? Source Id: 21100993327
? Author Ids: 6603377664;57195358260;24340960500;24400344500;35513672400
? Authoraffiliationids: 109985492;60025153;60025153;60023916;60025153
? Corresponding: Marcenaro L.
189.
? Title: Multimodal Cognitive System For Immersive User Interaction
? Venue: Immerscom 2007 Proceedings of the 1st International Conference on Immersive Telecommunications
? Year: 2007
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.4108/Icst.Immerscom2007.2259

? Scopus ID: 2-s2.0-84882464765
? Authors: Calbi Alessandro; Dore Alessio; Marcenaro Lucio; Regazzoni Carlo S.
? Keywords: Ambient intelligence | Cognitive cycle | Immersive
? Source Id: 21101096957
? Author Ids: 15055333000;22233346900;6603377664;35513672400
? Authoraffiliationids: 128384239;60025153;128384239;60025153
? Corresponding: Calbi A.

190.
? Title: Dynamic scene reconstruction for efficient remote surveillance
? Venue: Proceedings IEEE International Conference on Video and Signal Based Surveillance 2006 Avss 2006
? Year: 2006
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 6
? Doi: 10.1109/Avss.2006.45
? Scopus ID: 2-s2.0-34547240180
? Authors: Calbi Alessandro; Regazzoni Carlo S.; Marcenaro Lucio
? Source Id: 7000153263
? Author Ids: 15055333000;35513672400;6603377664
? Authoraffiliationids: 60025153;60025153;101504314
? Corresponding: Calbi A.

191.
? Title: Self-organizing shape description for tracking and classifying multiple interacting objects
? Venue: Image and Vision Computing
? Year: 2006
? Type: Journal
? Subtype: Article
? Citations: 14
? DOI: 10.1016/j.imavis.2005.06.012
? Scopus ID: 2-s2.0-33749241092
? Issn: 02628856
? Volume: 24
? Issue: 11
? Pages: 1179-1191
? Authors: Marcenaro L.; Marchesotti L.; Regazzoni C. S.
? Quartile:
  2025:
  ? Signal Processing (Q1, rank 28, percentile 85)
  ? Computer Vision and Pattern Recognition (Q1, rank 30, percentile 82)
? Source Id: 25549
? Author Ids: 6603377664;6602356200;35513672400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Marcenaro L.

192.
? Title: Dynamic scene reconstruction for 3D virtual guidance
? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics
? Year: 2006
? Type: Book Series
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1007/11893004_23

? Scopus ID: 2-s2.0-33750715380
? Issn: 03029743
? eISSN: 16113349
? Volume: 4252 Lnai - Ii
? Pages: 179-186
? Authors: Calbi Alessandro; Marcenaro Lucio; Regazzoni Carlo S.
? Quartile:
  2025:
  ? Theoretical Computer Science (Q3, rank 70, percentile 48)
  ? Computer Science (all) (Q3, rank 129, percentile 46)
? Source Id: 25674
? Author Ids: 15055333000;6603377664;35513672400
? Authoraffiliationids: 60025153;101504314;60025153
? Corresponding: Calbi A.

193.
? Title: Performance evaluation of event detection solutions: The CREDS experience
? Venue: IEEE International Conference on Advanced Video and Signal Based Surveillance
Proceedings of Avss 2005
? Year: 2005
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 26
? Doi: 10.1109/Avss.2005.1577267
? Scopus ID: 2-s2.0-33846958043
? Volume: 2005
? Pages: 201-206
? Authors: Ziliani F.; Velastin S.; Porikli F.; Marcenaro L.; Kelliher T.; Cavallaro
A.; Bruneaut P.
? Source Id: 5200152815
? Author Ids:
6602895401;6701745050;6603528219;6603377664;57188934274;7103233230;53869934900
? Authoraffiliationids: ;60033359;;;60015623;60022109;100696756
? Corresponding: Ziliani F.

194.
? Title: Automatic detection of dangerous events for underground surveillance
? Venue: IEEE International Conference on Advanced Video and Signal Based Surveillance
Proceedings of Avss 2005
? Year: 2005
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 22
? Doi: 10.1109/Avss.2005.1577266
? Scopus ID: 2-s2.0-33846946472
? Volume: 2005
? Pages: 195-200
? Authors: Spirito M.; Regazzoni C. S.; Marcenaro L.
? Source Id: 5200152815
? Author Ids: 57225386506;35513672400;6603377664
? Authoraffiliationids: 60025153;60025153;101826037
? Corresponding: Spirito M.

195.
? Title: Dual camera intelligent sensor for high definition 360 degrees surveillance
? Venue: IEE Proceedings Vision Image and Signal Processing
? Year: 2005

- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 69
- ? DOI: 10.1049/ip-vis:20041302
- ? Scopus ID: 2-s2.0-18444404946
- ? Issn: 1350245x
- ? Volume: 152
- ? Issue: 2
- ? Pages: 250-257
- ? Authors: Scotti G.; Marcenaro L.; Coelho C.; Selvaggi F.; Regazzoni C. S.
- ? Source Id: 17420
- ? Author Ids: 55605779563;6603377664;56973565500;8344568500;35513672400
- ? Authoraffiliationids: 60025153;;60081931;60081931;60025153
- ? Corresponding: Scotti G.

196.
- ? Title: Localization and classification of partially overlapped objects using self-organizing trees
- ? Venue: IEEE International Conference on Image Processing
- ? Year: 2003
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 1
- ? Scopus ID: 2-s2.0-0345565754
- ? Volume: 3
- ? Pages: 137-140
- ? Authors: Marcenaro L.; Gandetto M.; Regazzoni C. S.
- ? Source Id: 92868
- ? Author Ids: 6603377664;6507667860;35513672400
- ? Authoraffiliationids: 60025153;60025153;60025153
- ? Corresponding: Marcenaro L.

197.
- ? Title: Dual camera system for face detection in unconstrained environments
- ? Venue: IEEE International Conference on Image Processing
- ? Year: 2003
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 27
- ? Scopus ID: 2-s2.0-0345528972
- ? Volume: 1
- ? Pages: 681-684
- ? Authors: Marchesotti Luca; Marcenaro Lucio; Regazzoni Carlo
- ? Source Id: 92868
- ? Author Ids: 6602356200;6603377664;35513672400
- ? Authoraffiliationids: 60025153;60025153;60025153
- ? Corresponding: Marchesotti L.

198.
- ? Title: A distributed dynamic reconfigurable system for ambient intelligence
- ? Venue: IEE Colloquium Digest
- ? Year: 2003
- ? Type: Journal
- ? Subtype: Conference Paper
- ? Citations: 1
- ? Scopus ID: 2-s2.0-8344228450
- ? Issn: 09633308

? Volume: 3-10062
? Pages: 113-119
? Authors: Marcenaro L.; Marchesotti L.; Cella F.; Regazzoni C. S.
? Source Id: 17917
? Author Ids: 6603377664;6602356200;57193517111;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Marcenaro L.

199.
? Title: Moving objects self-generated illumination variations removal for automatic video-surveillance systems
? Venue: Proceedings of SPIE the International Society for Optical Engineering
? Year: 2003
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1117/12.503230
? Scopus ID: 2-s2.0-0141496438
? Issn: 0277786x
? Volume: 5150 I
? Pages: 414-421
? Authors: Marcenaro L.; Marchesotti L.; Regazzoni C. S.
? Keywords: Image processing | Shadow removal | Video surveillance
? Quartile:
   2025:
   ? Instrumentation (Q4, rank 157, percentile 16)
   ? Electrical and Electronic Engineering (Q4, rank 873, percentile 12)
   ? Computer Science Applications (Q4, rank 893, percentile 9)
   ? Applied Mathematics (Q4, rank 625, percentile 6)
   ? Electronic, Optical and Magnetic Materials (Q4, rank 294, percentile 5)
   ? Condensed Matter Physics (Q4, rank 425, percentile 4)
? Source Id: 40067
? Author Ids: 6603377664;6602356200;35513672400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Marcenaro L.

200.
? Title: A cooperative multisensor system for face detection in Video Surveillance applications
? Venue: Zidonghua Xuebao Acta Automatica Sinica
? Year: 2003
? Type: Journal
? Subtype: Article
? Citations: 8
? Scopus ID: 2-s2.0-18444363806
? Issn: 02544156
? Volume: 29
? Issue: 3
? Pages: 423-433
? Authors: Marchesotti Luca; Messina Alessandro; Marcenaro Lucio; Regazzoni Carlo
? Keywords: Face Detection | Multicamera systems | Tracking | Video Surveillance
? Quartile:
   2025:
   ? Computer Graphics and Computer-Aided Design (Q2, rank 40, percentile 69)
   ? Control and Systems Engineering (Q2, rank 128, percentile 66)
   ? Information Systems (Q2, rank 172, percentile 65)

? Software (Q2, rank 190, percentile 62)
? Source Id: 25566
? Author Ids: 6602356200;57044154300;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Marchesotti L.

201.
? Title: SOM based algorithm for video surveillance system parameter optimal selection
? Venue: Proceedings IEEE Conference on Advanced Video and Signal Based Surveillance Avss 2003
? Year: 2003
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 7
? Doi: 10.1109/Avss.2003.1217945
? Scopus ID: 2-s2.0-78650897761
? Pages: 370-375
? Authors: Scotti G.; Marcenaro L.; Regazzoni C. S.
? Keywords: Artificial neural networks | Computerized monitoring | Condition monitoring | Layout | Neurons | Organizing | Security | Trajectory | Variable structure systems | Video surveillance
? Source Id: 21100420108
? Author Ids: 55605779563;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Scotti G.

202.
? Title: Automatic detection and indexing of video-event shots for surveillance applications
? Venue: IEEE Transactions on Multimedia
? Year: 2002
? Type: Journal
? Subtype: Article
? Citations: 51
? Doi: 10.1109/Tmm.2002.802024
? Scopus ID: 2-s2.0-0037002069
? Issn: 15209210
? Volume: 4
? Issue: 4
? Pages: 459-471
? Authors: Foresti Gian Luca; Marcenaro Lucio; Regazzoni Carlo S.
? Keywords: Information retrieval | Object detection | Surveillance | Video signal processing
? Quartile:
 2025:
 ? Media Technology (Q1, rank 3, percentile 96)
 ? Electrical and Electronic Engineering (Q1, rank 41, percentile 95)
 ? Signal Processing (Q1, rank 10, percentile 95)
 ? Computer Science Applications (Q1, rank 52, percentile 94)
? Source Id: 16211
? Author Ids: 7006427233;6603377664;35513672400
? Authoraffiliationids: 60025965;60025153;60025153
? Corresponding: Foresti G.L.

203.
? Title: Real-time change detection methods for video-surveillance systems with mobile camera

? Venue: European Signal Processing Conference
? Year: 2002
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Scopus ID: 2-s2.0-84960878179
? Issn: 22195491
? Volume: 2002-March
? Authors: Oberti Franco; Marcenaro Lucio; Regazzoni Carlo S.
? Quartile:
  2025:
  ? Signal Processing (Q3, rank 109, percentile 44)
  ? Electrical and Electronic Engineering (Q3, rank 573, percentile 42)
? Source Id: 21100204301
? Author Ids: 7007048964;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Oberti F.

204.
? Title: A multi-resolution outdoor dual camera system for robust video-event metadata extraction
? Venue: Proceedings of the 5th International Conference on Information Fusion Fusion 2002
? Year: 2002
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 15
? Doi: 10.1109/Icif.2002.1020947
? Scopus ID: 2-s2.0-57349150333
? Volume: 2
? Pages: 1184-1189
? Authors: Marcenaro L.; Marchesotti L.; Regazzoni C. S.
? Keywords: Automatic video-surveillance | Cooperative system | Multi-camera system
? Source Id: 21100316050
? Author Ids: 6603377664;6602356200;35513672400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Marcenaro L.

205.
? Title: Extending real time change-detection techniques to mosaic backgrounds and mobile camera sequences in surveillance systems
? Venue: IETE Journal of Research
? Year: 2002
? Type: Journal
? Subtype: Article
? Citations: 1
? Doi: 10.1080/03772063.2002.11416271
? Scopus ID: 2-s2.0-0036588841
? Issn: 03772063
? eISSN: 0974780X
? Volume: 48
? Issue: 3-4
? Pages: 151-161
? Authors: Marcenaro Lucio; Oberti Franco; Regazzoni Carlo S.
? Quartile:
  2025:

? Theoretical Computer Science (Q2, rank 37, percentile 73)
? Electrical and Electronic Engineering (Q2, rank 291, percentile 70)
? Computer Science Applications (Q2, rank 333, percentile 66)
? Source Id: 130012
? Author Ids: 6603377664;7007048964;35513672400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Marcenaro L.

206.
? Title: A video surveillance architecture for alarm generation and video sequences retrieval
? Venue: IEEE International Conference on Image Processing
? Year: 2002
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 10
? Scopus ID: 2-s2.0-0036451940
? Volume: 1
? Pages: I/895
? Authors: Marchesotti Luca; Marcenaro Lucio; Regazzoni Carlo
? Source Id: 92868
? Author Ids: 6602356200;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Marchesotti L.

207.
? Title: Multiple object tracking under heavy occlusions by using Kalman filters based on shape matching
? Venue: IEEE International Conference on Image Processing
? Year: 2002
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 51
? Scopus ID: 2-s2.0-0036451861
? Volume: 3
? Pages: III/344
? Authors: Marcenaro L.; Ferrari M.; Marchesotti L.; Regazzoni C. S.
? Source Id: 92868
? Author Ids: 6603377664;55493418400;6602356200;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Marcenaro L.

208.
? Title: Advanced image-processing tools for counting people in tourist site-monitoring applications
? Venue: Signal Processing
? Year: 2001
? Type: Journal
? Subtype: Article
? Citations: 44
? Doi: 10.1016/S0165-1684(00)00280-2
? Scopus ID: 2-s2.0-0035337675
? Issn: 01651684
? Volume: 81
? Issue: 5
? Pages: 1017-1040
? Authors: Sacchi Claudio; Gera Gianluca; Marcenaro Lucio; Regazzoni Carlo S.

? Quartile:
  2025:
  ? Signal Processing (Q1, rank 25, percentile 87)
  ? Computer Vision and Pattern Recognition (Q1, rank 27, percentile 84)
  ? Electrical and Electronic Engineering (Q1, rank 166, percentile 83)
  ? Control and Systems Engineering (Q1, rank 71, percentile 81)
  ? Software (Q1, rank 101, percentile 79)
? Source Id: 25548
? Author Ids: 56206655300;56616314700;6603377664;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Sacchi C.

209.
? Title: Distributed architectures and logical-task decomposition in multimedia surveillance systems
? Venue: Proceedings of the IEEE
? Year: 2001
? Type: Journal
? Subtype: Article
? Citations: 67
? Doi: 10.1109/5.959339
? Scopus ID: 2-s2.0-6344283723
? Issn: 00189219
? Volume: 89
? Issue: 10
? Pages: 1419-1439
? Authors: Marcenaro Lucio; Oberti Franco; Foresti Gian Luca; Regazzoni Carlo S.
? Keywords: Communication | Dynamic resource allocation | Embedded tasks | Functionality distributed decomposition | Multimedia surveillance | Multisensor networks | Representation recognition
? Quartile:
  2025:
  ? Electrical and Electronic Engineering (Q1, rank 3, percentile 99)
  ? Computer Science (all) (Q1, rank 2, percentile 99)
? Source Id: 17915
? Author Ids: 6603377664;7007048964;7006427233;35513672400
? Authoraffiliationids: 60025153;60025965;60025153;120564336
? Corresponding: Marcenaro L.

210.
? Title: Elaborazione e riconoscimento distribuiti di dati multisensoriali per l'automazione di edifici ed ambienti sensibili
? Venue: Alta Frequenza Rivista Di Elettronica
? Year: 2001
? Type: Journal
? Subtype: Article
? Citations: 0
? Scopus ID: 2-s2.0-0035520322
? Issn: 11201908
? Volume: 13
? Issue: 6
? Pages: 51
? Authors: Marcenaro Lucio; Essimi EfouLa Jean Lazare; Regazzoni Carlo
? Source Id: 24118
? Author Ids: 6603377664;6504371540;35513672400
? Corresponding: Marcenaro L.

211.
   ? Title: Image stabilization algorithms for video-surveillance applications
   ? Venue: IEEE International Conference on Image Processing
   ? Year: 2001
   ? Type: Conference Proceeding
   ? Subtype: Conference Paper
   ? Citations: 92
   ? Scopus ID: 2-s2.0-0035172115
   ? Volume: 1
   ? Pages: 349-352
   ? Authors: Marcenaro L.; Vernazza G.; Regazzoni C. S.
   ? Source Id: 92868
   ? Author Ids: 6603377664;7005048304;35513672400
   ? Authoraffiliationids: 60025153;60025153;60025153
   ? Corresponding: Marcenaro L.
212.
   ? Title: Automatic generation of the statistical model of a non-rigid object in a multiple-camera environment
   ? Venue: Proceedings International Conference on Pattern Recognition
   ? Year: 2000
   ? Type: Conference Proceeding
   ? Subtype: Article
   ? Citations: 0
   ? Scopus ID: 2-s2.0-33750950090
   ? Issn: 10514651
   ? Volume: 15
   ? Issue: 1
   ? Pages: 530-533
   ? Authors: Marcenaro Lucio; Regazzoni Carlo S.; Vernazza Gianni
   ? Source Id: 24282
   ? Author Ids: 6603377664;35513672400;7005048304
   ? Authoraffiliationids: 60025153;60025153;60025153
   ? Corresponding: Marcenaro L.
213.
   ? Title: Change detection methods for automatic scene analysis by using mobile surveillance cameras
   ? Venue: IEEE International Conference on Image Processing
   ? Year: 2000
   ? Type: Conference Proceeding
   ? Subtype: Conference Paper
   ? Citations: 9
   ? Scopus ID: 2-s2.0-0034441210
   ? Volume: 1
   ? Pages: 244-247
   ? Authors: Marcenaro L.; Oberti F.; Regazzoni C. S.
   ? Source Id: 92868
   ? Author Ids: 6603377664;7007048964;35513672400
   ? Authoraffiliationids: 60025153;60025153;60025153
   ? Corresponding: Marcenaro L.
214.
   ? Title: Adaptive change detection approach for object detection in outdoor scenes under variable speed illumination changes
   ? Venue: European Signal Processing Conference
   ? Year: 2000