LAZZARONI LUCA

Overview
? Unit: ICT
? Grade: Contratto Gratuito (No Anag. Prest.)
? SSD: 000000000000 (Non assegnato)
? Scopus ID: 57220892898
? Unige Id: 404691
? Retrieved at: 2025-11-14T15:16:33.664141

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Career
? Dr, 2020-11-01 ? 2023-10-31
? Cb, 2021-03-02 ? 2025-02-28
? Ar, 2023-10-02 ? 2025-02-28
? Rd, 2025-03-01 ? 2028-02-29

Teaching
2025
? Distributed Electronic Systems And Technologies For Environmental Monitoring (94631), Lm-26 R - Engineering For Natural Risk Management
? Tiny Machine Learning (114752), Lm-29 - Electronic Engineering

2024
? Distributed Electronic Systems And Technologies For Environmental Monitoring (94631), Lm-26 - Engineering For Natural Risk Management
? Tiny Machine Learning (114752), Lm-29 - Electronic Engineering

2023
? Computer Graphics Arch.- Games And Simulation (72317), Lm-29 - Ingegneria Elettronica

Scopus Metrics
? absolute; Docs: 45; Journals: 13; Conferences: 2; Citations: 211; H-index: 9
? 15 years (2010-2025); Docs: 45; Journals: 13; Conferences: 2; Citations: 211; H-index: 9
? 10 years (2015-2025); Docs: 45; Journals: 13; Conferences: 2; Citations: 211; H-index: 9
? 05 years (2020-2025); Docs: 45; Journals: 13; Conferences: 2; Citations: 211; H-index: 9

Scopus Products
1.
? Title: Deep Learning-Based Real-Time Driver Cognitive Distraction Detection
? Venue: IEEE Access
? Year: 2025
? Type: Journal
? Subtype: Article
? Citations: 3
? Doi: 10.1109/Access.2025.3539392
? Scopus ID: 2-s2.0-85217496091
? eISSN: 21693536
? Volume: 13
? Pages: 26589-26607

? Authors: Fresta Matteo; Bellotti Francesco; Bochenko Igor; Lazzaroni Luca; Merlhiot Gaˆ«tan; Tango Fabio; Berta Riccardo
? Keywords: Deep learning | driver cognitive distraction detection | embedded deployment | eye-tracker | physiological signals | SHAP analysis | timeseries processing | vehicular signals
? 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: 58308149100;55890888700;59550754000;57220892898;57194207299;55914652500;6701751695
? Authoraffiliationids: 60025153;60025153;60025153;60025153;118247852;60258352;60025153
? Corresponding: Fresta M.

2.
? Title: TinyML Acceleration with MAX78000
? Venue: Lecture Notes in Electrical Engineering
? Year: 2025
? Type: Book Series
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1007/978-3-031-71518-1_57
? Scopus ID: 2-s2.0-85215954123
? Issn: 18761100
? eISSN: 18761119
? Volume: 1263 Lnee
? Pages: 468-474
? Authors: Dabbous Ali; Lazzaroni Luca; Bellotti Francesco; Presentaciˆ‡n Sara Muˆ–oz; Pighetti Alessandro; Berta Riccardo
? Keywords: Convolutional Neural Network | Hardware Accelerator | MAX78000 | Power Consumption | Time-of-Flight | Tiny Machine Learning
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)
? Source Id: 19700186822
? Author Ids: 57225054424;57220892898;55890888700;59527204900;58023909200;6701751695
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Dabbous A.

3.
? Title: On-Board Deployability of a Deep Learning-Based System for Distraction and Inattention Detection
? Venue: IEEE Open Journal of the Industrial Electronics Society
? Year: 2025
? Type: Journal
? Subtype: Article
? Citations: 0
? Doi: 10.1109/Ojies.2025.3601982
? Scopus ID: 2-s2.0-105013975172
? eISSN: 26441284
? Volume: 6
? Pages: 1351-1369
? Authors: Fresta Matteo; Bellotti Francesco; Lazzaroni Luca; Ballout Hadi; Pighetti Alessandro; Ameneiro-Prieto ˆ scar; Porta-Lorenzo Manuel; Sˆ¡nchez-Louzˆ¡n Daniel;

Gonzˆ¡lez-Escudeiro Cristina; Tango Fabio; Berta Riccardo
? Keywords: Deep learning (DL) | driver distraction detection (DDD) | eye-tracker | inattention detection | on-board deployment | SHapley Additive exPlanations (SHAP) analysis | time of flight sensor | time series processing | vehicular signals
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 148, percentile 85)
? Industrial and Manufacturing Engineering (Q1, rank 62, percentile 84)
? Control and Systems Engineering (Q1, rank 61, percentile 84)
? Source Id: 21101068036
? Author Ids: 58308149100;55890888700;57220892898;59232895600;58023909200;57194191799;57699637700;60059765900;60059537800;55914652500;6701751695
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;121898065;121898065;121898065;121898065;60258352;60025153
? Corresponding: Fresta M.

4.
? Title: RAFT: Regularized Adversarial Fine-Tuning to Enhance Deep Reinforcement Learning for Self-Parking
? Venue: IEEE Sensors Letters
? Year: 2025
? Type: Journal
? Subtype: Article
? Citations: 0
? Doi: 10.1109/Lsens.2025.3600982
? Scopus ID: 2-s2.0-105013891403
? eISSN: 24751472
? Volume: 9
? Issue: 9
? Authors: Pighetti Alessandro; Bellotti Francesco; Berta Riccardo; Cavallaro Andrea; Lazzaroni Luca; Oh Changjae
? Keywords: adversarial policies | automated driving (AD) | autonomous agents | deep reinforcement learning (DRL) | parking | Sensor applications
? Quartile:
2025:
? Instrumentation (Q2, rank 70, percentile 63)
? Electrical and Electronic Engineering (Q2, rank 397, percentile 60)
? Source Id: 21100976671
? Author Ids: 58023909200;55890888700;6701751695;7103233230;57220892898;55391262000
? Authoraffiliationids: 60025153-60022109;60025153;60025153;60022109-60030109-60028186;60025153;60022109
? Corresponding: Pighetti A.

5.
? Title: Binary Neural Networks for Real-Time Structural Health Monitoring on Edge Devices
? Venue: Digest of Technical Papers IEEE International Conference on Consumer Electronics
? Year: 2025
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Icce63647.2025.10930047
? Scopus ID: 2-s2.0-105006570576
? Issn: 0747668x
? eISSN: 21591423

? Authors: Dabbous Ali; Lazzaroni Luca; Sakr Fouad; Berta Riccardo; Fresta Matteo; Bellotti Francesco
? Keywords: Binary Neural Networks | Edge Devices | Structural Health Monitoring
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q3, rank 254, percentile 38)
? Electrical and Electronic Engineering (Q3, rank 659, percentile 34)
? Source Id: 26010
? Author Ids: 57225054424;57220892898;57216728100;6701751695;58308149100;55890888700
? Authoraffiliationids: 60025153;60025153;60074219;60025153;60025153;60025153
? Corresponding: Dabbous A.

6.
? Title: Quantization of MobileNetV2 for Resource-Constrained Microcontrollers
? Venue: Lecture Notes in Electrical Engineering
? Year: 2025
? Type: Book Series
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1007/978-3-031-84100-2_59
? Scopus ID: 2-s2.0-105000833272
? Issn: 18761100
? eISSN: 18761119
? Volume: 1369 Lnee
? Pages: 497-504
? Authors: Lazzaroni Luca; Bellotti Francesco; Dabbous Ali; Pighetti Alessandro; Berta Riccardo
? Keywords: Internet of Things | Microcontrollers | MobileNetV2 | Quantization | STM32 | Tiny Machine Learning
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)
? Source Id: 19700186822
? Author Ids: 57220892898;55890888700;57225054424;58023909200;6701751695
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Lazzaroni L.

7.
? Title: Runtime Input Monitoring of a Reinforcement Learning-Based Agent for Automated Car Parking
? Venue: Lecture Notes in Electrical Engineering
? Year: 2025
? Type: Book Series
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1007/978-3-031-84100-2_46
? Scopus ID: 2-s2.0-105000832063
? Issn: 18761100
? eISSN: 18761119
? Volume: 1369 Lnee
? Pages: 387-394
? Authors: Ballout Hadi; Berta Riccardo; Bochenko Igor; Lazzaroni Luca; Dhonthi Akshay; Hashemi Vahid; Bellotti Francesco
? Keywords: anomaly detection | Automated driving | isolation forest | local outlier factor | novelty detection | one-class support vector machine | out of distribution data | runtime monitoring

? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)
? Source Id: 19700186822
? Author Ids:
59232895600;6701751695;59550754000;57220892898;57305251400;48861638300;55890888700
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60072340;60072340;60025153
? Corresponding: Ballout H.

8.
? Title: Exploring Decision Transformer for Highway Automated Driving
? Venue: Lecture Notes in Electrical Engineering
? Year: 2025
? Type: Book Series
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1007/978-3-031-84100-2_15
? Scopus ID: 2-s2.0-105000831674
? Issn: 18761100
? eISSN: 18761119
? Volume: 1369 Lnee
? Pages: 123-130
? Authors: Forneris Luca; Bellotti Francesco; Berta Riccardo; Lazzaroni Luca; Oh Changjae
? Keywords: Automated Driving | Decision Transformer | Decision-Making | Deep Reinforcement Learning | Driving Simulator | High-speed Maneuvers | Offline Reinforcement Learning
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)
? Source Id: 19700186822
? Author Ids: 58024898300;55890888700;6701751695;57220892898;55391262000
? Authoraffiliationids: 60025153-60022109;60025153;60025153;60025153;60022109
? Corresponding: Forneris L.

9.
? Title: Robustness Verification of a Reinforcement Learning-Based Agent for Automated Car Parking
? Venue: Lecture Notes in Electrical Engineering
? Year: 2025
? Type: Book Series
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1007/978-3-031-84100-2_17
? Scopus ID: 2-s2.0-105000829693
? Issn: 18761100
? eISSN: 18761119
? Volume: 1369 Lnee
? Pages: 139-147
? Authors: Bellotti Francesco; Berta Riccardo; Soltanmuradov Vafali; Gˆ‡mez David Martˆ›n; Dhonthi Akshay; Hashemi Vahid; Lazzaroni Luca
? Keywords: automated parking | lidar | Marabou | noise | reinforcement learning | Verification
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)

? Source Id: 19700186822
? Author Ids: 55890888700;6701751695;59526612100;59388326900;57305251400;48861638300;57220892898
? Authoraffiliationids: 60025153;60025153;60025153;60001741;60072340;60072340;60025153
? Corresponding: Bellotti F.

10.
? Title: Performance Comparison of YOLOv8 and YOLOv10 for Traffic Light Detection on a Jetson Nano Board
? Venue: Lecture Notes in Electrical Engineering
? Year: 2025
? Type: Book Series
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1007/978-3-031-84100-2_29
? Scopus ID: 2-s2.0-105000828654
? Issn: 18761100
? eISSN: 18761119
? Volume: 1369 Lnee
? Pages: 242-249
? Authors: Ballout Hadi; Berta Riccardo; Dabbous Ali; Fresta Matteo; Lazzaroni Luca; Pighetti Alessandro; Bellotti Francesco
? Keywords: automated driving | BOSCH | DTLD | intelligent transportation systems | Jetson Nano | Traffic Light detection | YOLOv10 | YOLOv8
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)
? Source Id: 19700186822
? Author Ids: 59232895600;6701751695;57225054424;58308149100;57220892898;58023909200;55890888700
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Ballout H.

11.
? Title: Leveraging Neural Architecture Search for Structural Health Monitoring on Resource-Constrained Devices
? Venue: Lecture Notes in Electrical Engineering
? Year: 2025
? Type: Book Series
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1007/978-3-031-84100-2_38
? Scopus ID: 2-s2.0-105000828216
? Issn: 18761100
? eISSN: 18761119
? Volume: 1369 Lnee
? Pages: 323-330
? Authors: Capello Alessio; Berta Riccardo; Fresta Matteo; Lazzaroni Luca; Bellotti Francesco
? Keywords: Microcontrollers | Neural Architecture Search | Structural Health Monitoring
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)
? Source Id: 19700186822
? Author Ids: 57388720700;6701751695;58308149100;57220892898;55890888700

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Capello A.

12.
? Title: Setting Up a Lightweight Simulation Environment for Automated Driving Dataset Collection
? Venue: Lecture Notes in Electrical Engineering
? Year: 2025
? Type: Book Series
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1007/978-3-031-84100-2_19
? Scopus ID: 2-s2.0-105000824318
? Issn: 18761100
? eISSN: 18761119
? Volume: 1369 Lnee
? Pages: 156-163
? Authors: Forneris Luca; Bellotti Francesco; Berta Riccardo; Cossu Marianna; Fresta Matteo; Rezaieamale Raziye; Rojhan Hadise; Soltanmuradov Vafali; Tango Fabio; Lazzaroni Luca
? Keywords: Automated Driving Functions | CARLA Simulator | Dataset Collection | Lane Change Recognition | Simulation Environment | User testing
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)
? Source Id: 19700186822
? Author Ids: 58024898300;55890888700;6701751695;57388479100;58308149100;59706629300;59706210500;59526612100;55914652500;57220892898
? Authoraffiliationids: 60025153-60022109;60025153;60025153;60025153;60025153;60025153;60025153;60025153;60258352;60025153
? Corresponding: Forneris L.

13.
? Title: Green Machine Learning for the IoT (GEMINI): A Position Paper
? Venue: Lecture Notes in Electrical Engineering
? Year: 2025
? Type: Book Series
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1007/978-3-031-84100-2_40
? Scopus ID: 2-s2.0-105000824025
? Issn: 18761100
? eISSN: 18761119
? Volume: 1369 Lnee
? Pages: 339-346
? Authors: Lazzaroni Luca; Dabbous Ali; Nardello Matteo; Lebdeh Muath Abu; Berta Riccardo; Yildirim Kasim Sinan; Bellotti Francesco; Brunelli Davide
? Keywords: Batteryless Device | Energy Harvesting | Intermitting Computing | Internet of Things | Machine Learning | Online Learning | Online Sensing
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)
? Source Id: 19700186822
? Author Ids: 57220892898;57225054424;57197767089;57216973731;6701751695;23570313200;55890888700;22233293600

? Authoraffiliationids:
60025153;60025153;60015986;60015986;60025153;60015986;60025153;60015986
? Corresponding: Lazzaroni L.

14.
? Title: RL-Based Generation of a Synthetic Automotive Driving Scenario Dataset
? Venue: Lecture Notes in Electrical Engineering
? Year: 2025
? Type: Book Series
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1007/978-3-031-84100-2_47
? Scopus ID: 2-s2.0-105000819817
? Issn: 18761100
? eISSN: 18761119
? Volume: 1369 Lnee
? Pages: 395-402
? Authors: Berta Riccardo; Bellotti Francesco; Cossu Marianna; Forneris Luca; Lazzaroni Luca; Pighetti Alessandro
? Keywords: Automated Driving | Dataset Engineering | Driving Scenarios | Driving Scenarios Generator | Reinforcement Learning | Synthetic Datasets
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)
? Source Id: 19700186822
? Author Ids: 6701751695;55890888700;57388479100;58024898300;57220892898;58023909200
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Berta R.

15.
? Title: Benchmarking Microcontrollers with Ultra-Low Resolution Images Classification
? Venue: Lecture Notes in Electrical Engineering
? Year: 2025
? Type: Book Series
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1007/978-3-031-84100-2_28
? Scopus ID: 2-s2.0-105000819772
? Issn: 18761100
? eISSN: 18761119
? Volume: 1369 Lnee
? Pages: 234-241
? Authors: Dabbous Ali; Berta Riccardo; Lazzaroni Luca; Pighetti Alessandro; Bellotti Francesco
? Keywords: Convolutional Neural Network | Energy Consumption | Hardware Accelerator | MAX78000 | STM32 | Tiny Machine Learning
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)
? Source Id: 19700186822
? Author Ids: 57225054424;6701751695;57220892898;58023909200;55890888700
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Dabbous A.

16.
? Title: Comparing Detection-Based and Motion-Based Preprocessing of Video Frames for Automated Driving Scenario Detection

? Venue: Lecture Notes in Electrical Engineering
? Year: 2025
? Type: Book Series
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1007/978-3-031-84100-2_30
? Scopus ID: 2-s2.0-105000819117
? Issn: 18761100
? eISSN: 18761119
? Volume: 1369 Lnee
? Pages: 250-257
? Authors: Cossu Marianna; Berta Riccardo; Bagheri Orumi Mohammad Ali; Lazzaroni Luca; Sauvaget Jean Louis; Touil Hind; Bellotti Francesco
? Keywords: automated driving | deep learning | detection-based preprocessing | driving scenarios | machine learning | motion-based preprocessing | Preprocessing | video classification
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)
? Source Id: 19700186822
? Author Ids: 57388479100;6701751695;59706032700;57220892898;58864809300;59706032800;55890888700
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60258352;60258352;60025153
? Corresponding: Cossu M.

17.
? Title: An embedded end-to-end voice assistant
? Venue: Engineering Applications of Artificial Intelligence
? Year: 2024
? Type: Journal
? Subtype: Article
? Citations: 13
? DOI: 10.1016/j.engappai.2024.108998
? Scopus ID: 2-s2.0-85199072751
? Issn: 09521976
? Volume: 136
? Authors: Lazzaroni Luca; Bellotti Francesco; Berta Riccardo
? Keywords: Automatic speech recognition | Edge computing | Embedded systems | Smart vehicles | Transfer learning | Voice assistants
? Quartile:
2025:
? Control and Systems Engineering (Q1, rank 32, percentile 91)
? Electrical and Electronic Engineering (Q1, rank 87, percentile 91)
? Artificial Intelligence (Q1, rank 66, percentile 86)
2024:
? Electrical and Electronic Engineering (Q1, rank 112, percentile 88)
? Control and Systems Engineering (Q1, rank 50, percentile 86)
? Artificial Intelligence (Q1, rank 80, percentile 82)
? Source Id: 24182
? Author Ids: 57220892898;55890888700;6701751695
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Lazzaroni L.

18.
? Title: CBin-NN: An Inference Engine for Binarized Neural Networks
? Venue: Electronics Switzerland

? Year: 2024
? Type: Journal
? Subtype: Article
? Citations: 15
? DOI: 10.3390/electronics13091624
? Scopus ID: 2-s2.0-85192745343
? eISSN: 20799292
? Volume: 13
? Issue: 9
? Authors: Sakr Fouad; Berta Riccardo; Doyle Joseph; Capello Alessio; Dabbous Ali; Lazzaroni Luca; Bellotti Francesco
? Keywords: Binary Neural Network | Cortex-M microcontrollers | edge computing | inference engine | Internet of Things | TinyML
? Quartile:
2025:
? Signal Processing (Q1, rank 36, percentile 81)
? Electrical and Electronic Engineering (Q1, rank 220, percentile 78)
? Control and Systems Engineering (Q1, rank 91, percentile 76)
? Computer Networks and Communications (Q1, rank 131, percentile 76)
? Hardware and Architecture (Q2, rank 62, percentile 73)
2024:
? Electrical and Electronic Engineering (Q1, rank 228, percentile 76)
? Signal Processing (Q1, rank 44, percentile 76)
? Control and Systems Engineering (Q1, rank 93, percentile 75)
? Computer Networks and Communications (Q2, rank 137, percentile 73)
? Hardware and Architecture (Q2, rank 62, percentile 72)
? Source Id: 21100829272
? Author Ids: 57216728100;6701751695;57894878100;57388720700;57225054424;57220892898;55890888700
? Authoraffiliationids: 60025153-60022109;60025153;60022109;60025153;60025153;60025153;60025153
? Corresponding: Sakr F.

19.
? Title: End-to-End Dataset Collection System for Sport Activities
? Venue: Electronics Switzerland
? Year: 2024
? Type: Journal
? Subtype: Article
? Citations: 8
? DOI: 10.3390/electronics13071286
? Scopus ID: 2-s2.0-85190091988
? eISSN: 20799292
? Volume: 13
? Issue: 7
? Authors: Fresta Matteo; Bellotti Francesco; Capello Alessio; Dabbous Ali; Lazzaroni Luca; Ansovini Flavio; Berta Riccardo
? Keywords: convolutional neural networks (CNNs) | edge-to-cloud architecture | embedded systems | inertial measurement units (IMUs) | IoT | microcontrollers | sport activity recognition (SAR) | wearable devices
? Quartile:
2025:
? Signal Processing (Q1, rank 36, percentile 81)
? Electrical and Electronic Engineering (Q1, rank 220, percentile 78)
? Control and Systems Engineering (Q1, rank 91, percentile 76)

? Computer Networks and Communications (Q1, rank 131, percentile 76)
? Hardware and Architecture (Q2, rank 62, percentile 73)
2024:
? Electrical and Electronic Engineering (Q1, rank 228, percentile 76)
? Signal Processing (Q1, rank 44, percentile 76)
? Control and Systems Engineering (Q1, rank 93, percentile 75)
? Computer Networks and Communications (Q2, rank 137, percentile 73)
? Hardware and Architecture (Q2, rank 62, percentile 72)
? Source Id: 21100829272
? Author Ids: 58308149100;55890888700;57388720700;57225054424;57220892898;55372827800;6701751695
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Fresta M.

20.
? Title: Development of Deep-Learning-Based Autonomous Agents for Low-Speed Maneuvering in Unity
? Venue: Journal of Intelligent and Connected Vehicles
? Year: 2024
? Type: Journal
? Subtype: Article
? Citations: 9
? Doi: 10.26599/Jicv.2023.9210039
? Scopus ID: 2-s2.0-85206460853
? eISSN: 23999802
? Volume: 7
? Issue: 3
? Pages: 229-244
? Authors: Berta Riccardo; Lazzaroni Luca; Capello Alessio; Cossu Marianna; Forneris Luca; Pighetti Alessandro; Bellotti Francesco
? Keywords: automated driving | autonomous agents | curriculum learning | deep reinforcement learning | modeling and simulation
? Quartile:
2025:
? Mechanical Engineering (Q1, rank 29, percentile 96)
? Automotive Engineering (Q1, rank 7, percentile 95)
? Control and Systems Engineering (Q1, rank 23, percentile 94)
? Transportation (Q1, rank 10, percentile 93)
2024:
? Mechanical Engineering (Q1, rank 45, percentile 93)
? Automotive Engineering (Q1, rank 10, percentile 92)
? Control and Systems Engineering (Q1, rank 30, percentile 92)
? Transportation (Q1, rank 18, percentile 88)
? Source Id: 21101102903
? Author Ids: 6701751695;57220892898;57388720700;57388479100;58024898300;58023909200;55890888700
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Berta R.

21.
? Title: Developing a TinyML Image Classifier in an Hour
? Venue: IEEE Open Journal of the Industrial Electronics Society
? Year: 2024
? Type: Journal
? Subtype: Article
? Citations: 10

? Doi: 10.1109/Ojies.2024.3451959
? Scopus ID: 2-s2.0-85202787351
? eISSN: 26441284
? Volume: 5
? Pages: 946-960
? Authors: Berta Riccardo; Dabbous Ali; Lazzaroni Luca; Pau Danilo Pietro; Bellotti Francesco
? Keywords: Edge computing | imaging sensors | Jupyter notebook | microcontroller units (MCUs) | neural networks (NNs) | quantization | tiny machine learning (TinyML)
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 148, percentile 85)
? Industrial and Manufacturing Engineering (Q1, rank 62, percentile 84)
? Control and Systems Engineering (Q1, rank 61, percentile 84)
2024:
? Control and Systems Engineering (Q1, rank 32, percentile 91)
? Electrical and Electronic Engineering (Q1, rank 83, percentile 91)
? Industrial and Manufacturing Engineering (Q1, rank 43, percentile 89)
? Source Id: 21101068036
? Author Ids: 6701751695;57225054424;57220892898;6603575177;55890888700
? Authoraffiliationids: 60025153;60025153;60025153;60023682;60025153
? Corresponding: Berta R.

22.
? Title: Bringing Intelligence to the Edge for Structural Health Monitoring: The Case Study of the Z24 Bridge
? Venue: IEEE Open Journal of the Industrial Electronics Society
? Year: 2024
? Type: Journal
? Subtype: Article
? Citations: 10
? Doi: 10.1109/Ojies.2024.3434341
? Scopus ID: 2-s2.0-85199496894
? eISSN: 26441284
? Volume: 5
? Pages: 781-794
? Authors: Dabbous Ali; Berta Riccardo; Fresta Matteo; Ballout Hadi; Lazzaroni Luca; Bellotti Francesco
? Keywords: Deep learning | feature extraction | MINImally RandOm Convolutional KErnel Transform (MiniRocket) | structural health monitoring (SHM) | time-series | vibrational damage detection | WaveNet (WN) | Z24 bridge
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 148, percentile 85)
? Industrial and Manufacturing Engineering (Q1, rank 62, percentile 84)
? Control and Systems Engineering (Q1, rank 61, percentile 84)
2024:
? Control and Systems Engineering (Q1, rank 32, percentile 91)
? Electrical and Electronic Engineering (Q1, rank 83, percentile 91)
? Industrial and Manufacturing Engineering (Q1, rank 43, percentile 89)
? Source Id: 21101068036
? Author Ids: 57225054424;6701751695;58308149100;59232895600;57220892898;55890888700
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Dabbous A.

23.

? Title: Automated Parking in CARLA: A Deep Reinforcement Learning-Based Approach
? Venue: Lecture Notes in Electrical Engineering
? Year: 2024
? Type: Book Series
? Subtype: Conference Paper
? Citations: 10
? Doi: 10.1007/978-3-031-48121-5_50
? Scopus ID: 2-s2.0-85184134805
? Issn: 18761100
? eISSN: 18761119
? Volume: 1110 Lnee
? Pages: 352-357
? Authors: Lazzaroni Luca; Pighetti Alessandro; Bellotti Francesco; Capello Alessio; Cossu Marianna; Berta Riccardo
? Keywords: Automated driving functions | Automated parking | CARLA driving simulator | Deep reinforcement learning | Gymnasium | Proximal-policy optimization
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)
2024:
? Industrial and Manufacturing Engineering (Q4, rank 308, percentile 23)
? Source Id: 19700186822
? Author Ids: 57220892898;58023909200;55890888700;57388720700;57388479100;6701751695
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Lazzaroni L.

24.
? Title: Low-Cost, Edge-Cloud, End-to-End System Architecture for Human Activity Data Collection
? Venue: Lecture Notes in Electrical Engineering
? Year: 2024
? Type: Book Series
? Subtype: Conference Paper
? Citations: 5
? Doi: 10.1007/978-3-031-48121-5_64
? Scopus ID: 2-s2.0-85184120578
? Issn: 18761100
? eISSN: 18761119
? Volume: 1110 Lnee
? Pages: 444-449
? Authors: Fresta Matteo; Dabbous Ali; Bellotti Francesco; Capello Alessio; Lazzaroni Luca; Pighetti Alessandro; Berta Riccardo
? Keywords: Edge-cloud hardware/software architectures | Embedded systems | Field data collection | Human activity recognition | Internet of things | Sensor-based classification | Wearable sensor
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)
2024:
? Industrial and Manufacturing Engineering (Q4, rank 308, percentile 23)
? Source Id: 19700186822
? Author Ids: 58308149100;57225054424;55890888700;57388720700;57220892898;58023909200;6701751695
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Fresta M.

25.
? Title: YoloP-Based Pre-processing for Driving Scenario Detection
? Venue: Lecture Notes in Electrical Engineering
? Year: 2024
? Type: Book Series
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1007/978-3-031-48121-5_60
? Scopus ID: 2-s2.0-85184100845
? Issn: 18761100
? eISSN: 18761119
? Volume: 1110 Lnee
? Pages: 418-423
? Authors: Cossu Marianna; Berta Riccardo; Forneris Luca; Fresta Matteo; Lazzaroni Luca; Sauvaget Jean Louis; Bellotti Francesco
? Keywords: Automated driving | Convolutional neural network | Deep learning | Driving scenarios | Pre-processing | Synthetic datasets | Three-dimensional convolution | Time-series | Video classification | YoloP
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)
2024:
? Industrial and Manufacturing Engineering (Q4, rank 308, percentile 23)
? Source Id: 19700186822
? Author Ids: 57388479100;6701751695;58024898300;58308149100;57220892898;58864809300;55890888700
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60258352;60025153
? Corresponding: Cossu M.
26.
? Title: Investigating Adversarial Policy Learning for Robust Agents in Automated Driving Highway Simulations
? Venue: Lecture Notes in Electrical Engineering
? Year: 2024
? Type: Book Series
? Subtype: Conference Paper
? Citations: 5
? Doi: 10.1007/978-3-031-48121-5_18
? Scopus ID: 2-s2.0-85184090716
? Issn: 18761100
? eISSN: 18761119
? Volume: 1110 Lnee
? Pages: 124-129
? Authors: Pighetti Alessandro; Bellotti Francesco; Oh Changjae; Lazzaroni Luca; Forneris Luca; Fresta Matteo; Berta Riccardo
? Keywords: Adversarial policies | Automated driving | Autonomous agents | Decision making | Highway driving | Highway-env simulator | Proximal policy optimization | Reinforcement learning
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)
2024:
? Industrial and Manufacturing Engineering (Q4, rank 308, percentile 23)
? Source Id: 19700186822
? Author Ids:

58023909200;55890888700;55391262000;57220892898;58024898300;58308149100;6701751695
? Authoraffiliationids: 60025153;60025153;60022109;60025153;60025153;60025153;60025153
? Corresponding: Pighetti A.

27.
? Title: Building a Pipeline for Efficient Production of Synthetic Datasets for Improving RL in Automated Driving
? Venue: Lecture Notes in Electrical Engineering
? Year: 2024
? Type: Book Series
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1007/978-3-031-48711-8_42
? Scopus ID: 2-s2.0-85180156595
? Issn: 18761100
? eISSN: 18761119
? Volume: 1113 Lnee
? Pages: 351-356
? Authors: Lazzaroni Luca; Pighetti Alessandro; Bellotti Francesco; Berta Riccardo
? Keywords: automated driving | CARLA driving simulator | deep reinforcement learning | Synthetic datasets | trajectory tracking
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)
2024:
? Industrial and Manufacturing Engineering (Q4, rank 308, percentile 23)
? Source Id: 19700186822
? Author Ids: 57220892898;58023909200;55890888700;6701751695
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Lazzaroni L.

28.
? Title: Application of a Serious Game for Emotion Elicitation Under Socio-Economic and Trust Based Decision-Making Scenarios for Autistic Adolescents
? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics
? Year: 2024
? Type: Book Series
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1007/978-3-031-49065-1_17
? Scopus ID: 2-s2.0-85180150546
? Issn: 03029743
? eISSN: 16113349
? Volume: 14475 Lncs
? Pages: 170-180
? Authors: Ahmed Fahad; Berta Riccardo; Bellotti Francesco; Floris Federica; Lazzaroni Luca; Barresi Giacinto; Carrion Jesus Requena
? Keywords: Affective Computing | Autism | Decision-making | Depression | Emotion Elicitation | Game Theory | Serious Games
? Quartile:
2025:
? Theoretical Computer Science (Q3, rank 70, percentile 48)
? Computer Science (all) (Q3, rank 129, percentile 46)
2024:
? Theoretical Computer Science (Q3, rank 77, percentile 43)

? Computer Science (all) (Q3, rank 139, percentile 42)
? Source Id: 25674
? Author Ids:
57207729073;6701751695;55890888700;57225055996;57220892898;55877110100;19639194700
? Authoraffiliationids:
60022109-60025153;60025153;60025153;100515919;60025153;60102151;60022109
? Corresponding: Ahmed F.
29.
? Title: Implementing Deep Reinforcement Learning (DRL)-based Driving Styles for Non-Player Vehicles
? Venue: International Journal of Serious Games
? Year: 2023
? Type: Journal
? Subtype: Article
? Citations: 10
? DOI: 10.17083/ijsg.v10i4.638
? Scopus ID: 2-s2.0-85178119519
? eISSN: 23848766
? Volume: 10
? Issue: 4
? Pages: 153-170
? Authors: Forneris Luca; Pighetti Alessandro; Lazzaroni Luca; Bellotti Francesco; Capello Alessio; Cossu Marianna; Berta Riccardo
? Keywords: Autonomous Agents | Decision Making | Driving Styles | Racing Games | Reinforcement Learning | Serious Games
? Quartile:
2025:
? Applied Mathematics (Q1, rank 106, percentile 84)
? Education (Q1, rank 322, percentile 80)
? Computer Graphics and Computer-Aided Design (Q2, rank 41, percentile 69)
? Artificial Intelligence (Q2, rank 195, percentile 60)
? Software (Q2, rank 198, percentile 60)
? Human-Computer Interaction (Q2, rank 95, percentile 50)
2023:
? Applied Mathematics (Q1, rank 157, percentile 75)
? Education (Q2, rank 422, percentile 72)
? Computer Graphics and Computer-Aided Design (Q2, rank 41, percentile 61)
? Artificial Intelligence (Q3, rank 190, percentile 45)
? Software (Q3, rank 229, percentile 43)
? Human-Computer Interaction (Q3, rank 93, percentile 36)
? Source Id: 21101044881
? Author Ids:
58024898300;58023909200;57220892898;55890888700;57388720700;57388479100;6701751695
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Forneris L.
30.
? Title: Socio-Economic Decision Making and Emotion Elicitation with a Serious Game in the Wild
? Venue: Applied Sciences Switzerland
? Year: 2023
? Type: Journal
? Subtype: Article
? Citations: 8
? DOI: 10.3390/app13116432

? Scopus ID: 2-s2.0-85163083962
? eISSN: 20763417
? Volume: 13
? Issue: 11
? Authors: Ahmed Fahad; Berta Riccardo; Bellotti Francesco; Lazzaroni Luca; Floris Federica; Barresi Giacinto; Carrion Jesus Requena
? Keywords: affective computing | decision-making patterns | electronic system applications | emotion elicitation | game theory | serious game design | serious games | socio-economic scenarios
? 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)
2023:
? Engineering (all) (Q1, rank 62, percentile 79)
? Instrumentation (Q2, rank 42, percentile 70)
? Fluid Flow and Transfer Processes (Q2, rank 29, percentile 70)
? Computer Science Applications (Q2, rank 297, percentile 63)
? Materials Science (all) (Q2, rank 171, percentile 63)
? Process Chemistry and Technology (Q3, rank 39, percentile 47)
? Source Id: 21100829268
? Author Ids: 57207729073;6701751695;55890888700;57220892898;57225055996;55877110100;19639194700
? Authoraffiliationids: 60022109-60025153;60025153;60025153;60025153;100515919;60102151;60022109
? Corresponding: Ahmed F.

31.
? Title: Supporting a .csv-based Workflow in MongoDB for Data Analysts
? Venue: IEEE International Symposium on Industrial Electronics
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 6
? Doi: 10.1109/Isie51358.2023.10228044
? Scopus ID: 2-s2.0-85172117910
? Volume: 2023-June
? Authors: Fresta Matteo; Capello Alessio; Bellotti Francesco; Lazzaroni Luca; Cossu Marianna; Berta Riccardo
? Keywords: .csv files | .csv format | datasets | Measurify | MongoDB | mongoimport | user workflow
? Source Id: 85690
? Author Ids: 58308149100;57388720700;55890888700;57220892898;57388479100;6701751695
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Fresta M.

32.
? Title: Deep Reinforcement Learning for Automated Car Parking
? Venue: Lecture Notes in Electrical Engineering
? Year: 2023
? Type: Book Series
? Subtype: Conference Paper

? Citations: 6
? Doi: 10.1007/978-3-031-30333-3_16
? Scopus ID: 2-s2.0-85161446238
? Issn: 18761100
? eISSN: 18761119
? Volume: 1036 Lnee
? Pages: 125-130
? Authors: Lazzaroni Luca; Bellotti Francesco; Capello Alessio; Cossu Marianna; De Gloria Alessandro; Berta Riccardo
? Keywords: Automated driving | autonomous agents | low-speed manoeuvering | proximal policy optimization | reinforcement learning | unity ML-Agents | valet parking
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)
2023:
? Industrial and Manufacturing Engineering (Q4, rank 306, percentile 20)
? Source Id: 19700186822
? Author Ids: 57220892898;55890888700;57388720700;57388479100;7004620974;6701751695
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Lazzaroni L.

33.
? Title: Developing a Toolchain for Synthetic Driving Scenario Datasets
? Venue: Lecture Notes in Electrical Engineering
? Year: 2023
? Type: Book Series
? Subtype: Conference Paper
? Citations: 7
? Doi: 10.1007/978-3-031-30333-3_29
? Scopus ID: 2-s2.0-85161434195
? Issn: 18761100
? eISSN: 18761119
? Volume: 1036 Lnee
? Pages: 222-228
? Authors: Cossu Marianna; Berta Riccardo; Capello Alessio; De Gloria Alessandro; Lazzaroni Luca; Bellotti Francesco
? Keywords: automated driving | CARLA driving simulator | Driving scenarios | driving scenarios generator | synthetic datasets
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)
2023:
? Industrial and Manufacturing Engineering (Q4, rank 306, percentile 20)
? Source Id: 19700186822
? Author Ids: 57388479100;6701751695;57388720700;7004620974;57220892898;55890888700
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Cossu M.

34.
? Title: Investigating High-Level Decision Making for Automated Driving
? Venue: Lecture Notes in Electrical Engineering
? Year: 2023
? Type: Book Series
? Subtype: Conference Paper
? Citations: 4
? Doi: 10.1007/978-3-031-30333-3_41

? Scopus ID: 2-s2.0-85161373461
? Issn: 18761100
? eISSN: 18761119
? Volume: 1036 Lnee
? Pages: 307-311
? Authors: Capello Alessio; Forneris Luca; Pighetti Alessandro; Bellotti Francesco; Lazzaroni Luca; Cossu Marianna; De Gloria Alessandro; Berta Riccardo
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)
2023:
? Industrial and Manufacturing Engineering (Q4, rank 306, percentile 20)
? Source Id: 19700186822
? Author Ids: 57388720700;58024898300;58023909200;55890888700;57220892898;57388479100;7004620974;6701751695
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Capello A.

35.
? Title: Efficient Uploading of.Csv Datasets into a Non-Relational Database Management System
? Venue: Lecture Notes in Electrical Engineering
? Year: 2023
? Type: Book Series
? Subtype: Conference Paper
? Citations: 7
? Doi: 10.1007/978-3-031-30333-3_2
? Scopus ID: 2-s2.0-85161371437
? Issn: 18761100
? eISSN: 18761119
? Volume: 1036 Lnee
? Pages: 9-15
? Authors: Fresta Matteo; Bellotti Francesco; Capello Alessio; Cossu Marianna; Lazzaroni Luca; De Gloria Alessandro; Berta Riccardo
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)
2023:
? Industrial and Manufacturing Engineering (Q4, rank 306, percentile 20)
? Source Id: 19700186822
? Author Ids: 58308149100;55890888700;57388720700;57388479100;57220892898;7004620974;6701751695
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Fresta M.

36.
? Title: Explaining a Deep Reinforcement Learning (DRL)-Based Automated Driving Agent in Highway Simulations
? Venue: IEEE Access
? Year: 2023
? Type: Journal
? Subtype: Article
? Citations: 26
? Doi: 10.1109/Access.2023.3259544
? Scopus ID: 2-s2.0-85151517728

? eISSN: 21693536
? Volume: 11
? Pages: 28522-28550
? Authors: Bellotti Francesco; Lazzaroni Luca; Capello Alessio; Cossu Marianna; De Gloria Alessandro; Berta Riccardo
? Keywords: Automated driving | deep Q learning | explainable AI | highway simulation environment | reinforcement 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)
2023:
? Engineering (all) (Q1, rank 23, percentile 92)
? Computer Science (all) (Q1, rank 29, percentile 87)
? Materials Science (all) (Q1, rank 77, percentile 83)
? Source Id: 21100374601
? Author Ids: 55890888700;57220892898;57388720700;57388479100;7004620974;6701751695
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Bellotti F.

37.
? Title: Designing an Interpretability Analysis Framework for Deep Reinforcement Learning (DRL) Agents in Highway Automated Driving Simulation
? Venue: Lecture Notes in Electrical Engineering
? Year: 2023
? Type: Book Series
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1007/978-3-031-26066-7_37
? Scopus ID: 2-s2.0-85149937799
? Issn: 18761100
? eISSN: 18761119
? Volume: 1005 Lnee
? Pages: 239-244
? Authors: Bellotti Francesco; Lazzaroni Luca; Capello Alessio; Cossu Marianna; De Gloria Alessandro; Berta Riccardo
? Keywords: Deep reinforcement learning | Explainable artificial intelligence | Graphical user interface | Interpretability | Machine learning
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)
2023:
? Industrial and Manufacturing Engineering (Q4, rank 306, percentile 20)
? Source Id: 19700186822
? Author Ids: 55890888700;57220892898;57388720700;57388479100;7004620974;6701751695
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Bellotti F.

38.
? Title: Assessing Versatility of a Generic End?to?End Platform for IoT Ecosystem Applications
? Venue: Sensors
? Year: 2022
? Type: Journal
? Subtype: Article

? Citations: 15
? DOI: 10.3390/s22030713
? Scopus ID: 2-s2.0-85122872651
? Issn: 14248220
? Volume: 22
? Issue: 3
? Authors: Berta Riccardo; Bellotti Francesco; De Gloria Alessandro; Lazzaroni Luca
? Keywords: Development tools | Edge computing | Embedded systems and devices | End?to?end systems | IoT
? 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: 6701751695;55890888700;7004620974;57220892898
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Berta R.

39.
? Title: A Serious Game for Using Socio-Economic and Trust Based Decision-Making Scenarios for Elicitation of Emotional Responses
? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics
? Year: 2022
? Type: Book Series
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1007/978-3-031-22124-8_5
? Scopus ID: 2-s2.0-85144422837
? Issn: 03029743
? eISSN: 16113349
? Volume: 13647 Lncs
? Pages: 43-52
? Authors: Ahmed Fahad; Carrion Jesus Requena; Bellotti Francesco; Lazzaroni Luca; Barresi Giacinto; Berta Riccardo
? Keywords: Affective computing | Emotion elicitation | Game theory | Serious games
? Quartile:
2025:
? Theoretical Computer Science (Q3, rank 70, percentile 48)
? Computer Science (all) (Q3, rank 129, percentile 46)
2022:
? Computer Science (all) (Q3, rank 126, percentile 46)
? Theoretical Computer Science (Q3, rank 84, percentile 34)
? Source Id: 25674

? Author Ids: 57207729073;19639194700;55890888700;57220892898;55877110100;6701751695
? Authoraffiliationids: 60022109-60025153;60022109;60025153;60025153;60102151;60025153
? Corresponding: Ahmed F.

40.

? Title: High-Level Decision-Making Non-player Vehicles
? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics
? Year: 2022
? Type: Book Series
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.1007/978-3-031-22124-8_22
? Scopus ID: 2-s2.0-85144372798
? Issn: 03029743
? eISSN: 16113349
? Volume: 13647 Lncs
? Pages: 223-233
? Authors: Pighetti Alessandro; Forneris Luca; Lazzaroni Luca; Bellotti Francesco; Capello Alessio; Cossu Marianna; De Gloria Alessandro; Berta Riccardo
? Keywords: ADAS | Automotive driving | Autonomous agents | Driving games | PPO | Racing games | Reinforcement learning | Serious games
? Quartile:
2025:
? Theoretical Computer Science (Q3, rank 70, percentile 48)
? Computer Science (all) (Q3, rank 129, percentile 46)
2022:
? Computer Science (all) (Q3, rank 126, percentile 46)
? Theoretical Computer Science (Q3, rank 84, percentile 34)
? Source Id: 25674
? Author Ids: 58023909200;58024898300;57220892898;55890888700;57388720700;57388479100;7004620974;6701751695
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Pighetti A.

41.

? Title: Developing a Synthetic Dataset for Driving Scenarios
? Venue: Lecture Notes in Electrical Engineering
? Year: 2022
? Type: Book Series
? Subtype: Conference Paper
? Citations: 6
? Doi: 10.1007/978-3-030-95498-7_43
? Scopus ID: 2-s2.0-85128751579
? Issn: 18761100
? eISSN: 18761119
? Volume: 866 Lnee
? Pages: 310-316
? Authors: Motta Jacopo; Bellotti Francesco; Berta Riccardo; Capello Alessio; Cossu Marianna; De Gloria Alessandro; Lazzaroni Luca; Bonora Stefano
? Keywords: Automated driving | CARLA driving simulator | Deep learning | Driving scenarios | Synthetic datasets | Video classification
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)

2022:
? Industrial and Manufacturing Engineering (Q4, rank 295, percentile 17)
? Source Id: 19700186822
? Author Ids: 58708511900;55890888700;6701751695;57388720700;57388479100;7004620974;572
20892898;57612714400
? Authoraffiliationids:
60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Motta J.
42.
? Title: Classifying Simulated Driving Scenarios from Automated Cars
? Venue: Lecture Notes in Electrical Engineering
? Year: 2022
? Type: Book Series
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1007/978-3-030-95498-7_32
? Scopus ID: 2-s2.0-85128735875
? Issn: 18761100
? eISSN: 18761119
? Volume: 866 Lnee
? Pages: 229-235
? Authors: Cossu Marianna; Villon Jorge Leonardo Quimi; Bellotti Francesco; Capello
Alessio; De Gloria Alessandro; Lazzaroni Luca; Berta Riccardo
? Keywords: Automated driving | CarLA driving simulator | Convolutional neural network
| Deep learning | Spatio-temporal convolution | Three-dimensional convolution | Time-
series | Video classification
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)
2022:
? Industrial and Manufacturing Engineering (Q4, rank 295, percentile 17)
? Source Id: 19700186822
? Author Ids:
57388479100;57612049500;55890888700;57388720700;7004620974;57220892898;6701751695
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Cossu M.
43.
? Title: Adapting Autonomous Agents for Automotive Driving Games
? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in
Artificial Intelligence and Lecture Notes in Bioinformatics
? Year: 2021
? Type: Book Series
? Subtype: Conference Paper
? Citations: 6
? Doi: 10.1007/978-3-030-92182-8_10
? Scopus ID: 2-s2.0-85121903622
? Issn: 03029743
? eISSN: 16113349
? Volume: 13134 Lncs
? Pages: 101-110
? Authors: Campodonico Gabriele; Bellotti Francesco; Berta Riccardo; Capello Alessio;
Cossu Marianna; De Gloria Alessandro; Lazzaroni Luca; Taccioli Tommaso; Davio Federico
? Keywords: Automotive driving | Autonomous agents | Deep Q learning | Metrics |
Reinforcement learning | Rewards and penalties | Serious games | Stable baselines

? Quartile:
2025:
? Theoretical Computer Science (Q3, rank 70, percentile 48)
? Computer Science (all) (Q3, rank 129, percentile 46)
2021:
? Computer Science (all) (Q2, rank 114, percentile 50)
? Theoretical Computer Science (Q3, rank 78, percentile 36)
? Source Id: 25674
? Author Ids: 57388399300;55890888700;6701751695;57388720700;57388479100;7004620974;572
20892898;57388797900;57388317900
? Authoraffiliationids:
60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Campodonico G.

44.
? Title: Edgine, A Runtime System for IoT Edge Applications
? Venue: Lecture Notes in Electrical Engineering
? Year: 2021
? Type: Book Series
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1007/978-3-030-66729-0_31
? Scopus ID: 2-s2.0-85101757952
? Issn: 18761100
? eISSN: 18761119
? Volume: 738
? Pages: 261-266
? Authors: Berta Riccardo; Mazzara Andrea; Bellotti Francesco; De Gloria Alessandro;
Lazzaroni Luca
? Keywords: Arduino | Development tools | Edge computing | IoT | Platform-independence
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)
2021:
? Industrial and Manufacturing Engineering (Q4, rank 280, percentile 17)
? Source Id: 19700186822
? Author Ids: 6701751695;57220898093;55890888700;7004620974;57220892898
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Berta R.

45.
? Title: Employing an IoT Framework as a Generic Serious Games Analytics Engine
? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in
Artificial Intelligence and Lecture Notes in Bioinformatics
? Year: 2020
? Type: Book Series
? Subtype: Conference Paper
? Citations: 10
? Doi: 10.1007/978-3-030-63464-3_8
? Scopus ID: 2-s2.0-85097806513
? Issn: 03029743
? eISSN: 16113349
? Volume: 12517 Lncs
? Pages: 79-88
? Authors: Lazzaroni Luca; Mazzara Andrea; Bellotti Francesco; De Gloria Alessandro;
Berta Riccardo

? Keywords: Game development | Game engine plug-in | Internet of Things | Reality-enhanced games | System architecture | Virtual sensors
? Quartile:
  2025:
  ? Theoretical Computer Science (Q3, rank 70, percentile 48)
  ? Computer Science (all) (Q3, rank 129, percentile 46)
  2020:
  ? Computer Science (all) (Q2, rank 113, percentile 50)
  ? Theoretical Computer Science (Q4, rank 91, percentile 24)
? Source Id: 25674
? Author Ids: 57220892898;57220898093;55890888700;7004620974;6701751695
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Lazzaroni L.