

MARCHESE MARIO

Overview

? Unit: ICT
? Role: Professore ordinario
? Grade: Prof.Ordinario Legge 240/10 - t.pieno - classe 4
? SSD: IINF-03/A (Telecomunicazioni)
? Scopus ID: 7004398165
? Unige Id: 056441
? Retrieved at: 2025-11-14T15:17:39.439261

Contact

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? Phone: +39 010 33 52806 (Laboratorio)
? Page: <https://rubrica.unige.it/personale/VUZBX15o>
? Locations: Opera Pia - padiglione E (ED161450402), 4° piano, US161450402.IV.003

Career

? Pa, 2012-05-01 ? 2016-01-31
? Po, 2016-02-01 ? 2222-02-02

Responsibilities

? Title: Componente del Consiglio direttivo
? Unit: Centro italiano di eccellenza sulla logistica, i trasporti e le infrastrutture - CIELI
? Period: 2014-01-01 ? 2222-02-02

? Title: Prorettore al Dottorato di Ricerca e ai Rapporti con le Imprese
? Unit: Universit  Degli Studi Di Genova
? Period: 2025-11-01 ? 2026-10-31

Teaching

2025

? Quality Of Service Over Heterogeneous Networks (90145), Lm-27 - Internet And Multimedia Engineering
? Communication Networks For Emergency And Monitoring (94630), Lm-26 R - Engineering For Natural Risk Management
? Telecommunications (118118), Lm-28 - Electrical Engineering For Energy Transition

2024

? Fondamenti Di Telecomunicazioni (84396), Lm-28 - Ingegneria Elettrica
? Telematica E Tecnologie Internet (66356), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Quality Of Service Over Heterogeneous Networks (90145), Lm-27 - Internet And Multimedia Engineering
? Quality Of Service Over Heterogeneous Networks (90145), Lm-27 - Internet And Multimedia Engineering

2023

? Fondamenti Di Telecomunicazioni (84396), Lm-28 - Ingegneria Elettrica
? Telematica E Tecnologie Internet (66356), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Quality Of Service Over Heterogeneous Networks (90145), Lm-27 - Internet And Multimedia Engineering

2022

? Fondamenti Di Telecomunicazioni (84396), Lm-28 - Ingegneria Elettrica
? Telematica E Tecnologie Internet (66356), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Quality Of Service Over Heterogeneous Networks (90145), Lm-27 - Internet And Multimedia Engineering

2021

? Fondamenti Di Telecomunicazioni (84396), Lm-28 - Ingegneria Elettrica
? Telematica E Tecnologie Internet (66356), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Quality Of Service Over Heterogeneous Networks (90145), Lm-27 - Internet And Multimedia Engineering
? Cooperazione Allo Sviluppo (108849), Corsi Di Ateneo

2020

? Fondamenti Di Telecomunicazioni (84396), Lm-28 - Ingegneria Elettrica
? Telematica E Tecnologie Internet (66356), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Quality Of Service Over Heterogeneous Networks (90145), Lm-27 - Internet And Multimedia Engineering
? Internet Applications (90564), Lm-27 - Internet And Multimedia Engineering
? Strategies For Telecommunications (98228), Lm/Ds - Engineering Technology For Strategy (And Security)

Scopus Metrics

? absolute; Docs: 319; Journals: 121; Conferences: 171; Citations: 4117; H-index: 34
? 15 years (2010-2025); Docs: 181; Journals: 74; Conferences: 90; Citations: 3033; H-index: 29
? 10 years (2015-2025); Docs: 120; Journals: 54; Conferences: 53; Citations: 2094; H-index: 24
? 05 years (2020-2025); Docs: 70; Journals: 33; Conferences: 32; Citations: 587; H-index: 14

Scopus Products

1.

? Title: Performance Analysis and Security Preservation of DSRC in V2X Networks
? Venue: Electronics Switzerland
? Year: 2025
? Type: Journal
? Subtype: Article
? Citations: 0
? DOI: 10.3390/electronics14193786
? Scopus ID: 2-s2.0-105019060964
? eISSN: 20799292
? Volume: 14
? Issue: 19
? Authors: Sohail Muhammad Saad; Portomauro Giancarlo; Gaggero Giovanni Battista; Patrone Fabio; Marchese Mario
? Keywords: Denial of Service | DSRC | jamming attacks | Software-Defined Radio | V2X communications
? 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)
? Source Id: 21100829272
? Author Ids: 59364633700;15128054100;57216708944;56536292600;7004398165
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Sohail M.S.

2.

? Title: Photo-Set: A Proposed Dataset and Benchmark for Physics-Based Cybersecurity Monitoring in Photovoltaic Systems ?

? Venue: Energies

? Year: 2025

? Type: Journal

? Subtype: Article

? Citations: 0

? DOI: 10.3390/en18195318

? Scopus ID: 2-s2.0-105018907042

? eISSN: 19961073

? Volume: 18

? Issue: 19

? Authors: Mokarim Afroz; Gaggero Giovanni Battista; Ferro Giulio; Robba Michela; Girdinio Paola; Marchese Mario

? Keywords: anomaly detection | cybersecurity | dataset | distributed energy resources | photovoltaic | smart grid

? Quartile:

2025:

? Control and Optimization (Q1, rank 11, percentile 94)

? Engineering (miscellaneous) (Q1, rank 38, percentile 86)

? Electrical and Electronic Engineering (Q1, rank 155, percentile 84)

? Energy Engineering and Power Technology (Q1, rank 71, percentile 78)

? Fuel Technology (Q2, rank 40, percentile 70)

? Renewable Energy, Sustainability and the Environment (Q2, rank 110, percentile 64)

? Energy (miscellaneous) (Q2, rank 39, percentile 64)

? Source Id: 62932

? Author Ids: 57210415425;57216708944;57062015700;7004979187;7003430835;7004398165

? Authoraffiliationids: 60025153;60025153;60121711;60121711;60025153;60025153

? Corresponding: Mokarim A.

3.

? Title: Rule-Based eXplainable Autoencoder for DNS Tunneling Detection

? Venue: Computers

? Year: 2025

? Type: Journal

? Subtype: Article

? Citations: 0

? DOI: 10.3390/computers14090375

? Scopus ID: 2-s2.0-105017507470

? eISSN: 2073431X

? Volume: 14

? Issue: 9

? Authors: De Bernardi Giacomo; Gaggero Giovanni Battista; Patrone Fabio; Zappatore Sandro; Marchese Mario; Mongelli Maurizio

? Keywords: DNS tunnelling | eXplainable AI | intrusion detection system | statistical

traffic analysis

? 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)

? Source Id: 21100886391

? Author Ids: 58146713400;57216708944;56536292600;6602811400;7004398165;7005882346

? Authoraffiliationids: 60021199;60025153;60025153;60025153;60025153;60021199

? Corresponding: De Bernardi G.

4.

? Title: Cybersecurity Issues in Electrical Protection Relays: A Systematic Review

? Venue: Energies

? Year: 2025

? Type: Journal

? Subtype: Review

? Citations: 0

? DOI: 10.3390/en18143796

? Scopus ID: 2-s2.0-105011621726

? eISSN: 19961073

? Volume: 18

? Issue: 14

? Authors: Gaggero Giovanni Battista; Girdinio Paola; Marchese Mario

? Keywords: cyber security | electrical protection | protection relay | review

? Quartile:

2025:

? Control and Optimization (Q1, rank 11, percentile 94)

? Engineering (miscellaneous) (Q1, rank 38, percentile 86)

? Electrical and Electronic Engineering (Q1, rank 155, percentile 84)

? Energy Engineering and Power Technology (Q1, rank 71, percentile 78)

? Fuel Technology (Q2, rank 40, percentile 70)

? Renewable Energy, Sustainability and the Environment (Q2, rank 110, percentile 64)

? Energy (miscellaneous) (Q2, rank 39, percentile 64)

? Source Id: 62932

? Author Ids: 57216708944;7003430835;7004398165

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Gaggero G.B.

5.

? Title: Photo-Set: A Dataset for Physics-Based Cybersecurity Monitoring in Photovoltaic Systems

? Venue: IFAC Papersonline

? Year: 2025

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? DOI: 10.1016/j.ifacol.2025.08.109

? Scopus ID: 2-s2.0-105016566527

? Issn: 24058971

? eISSN: 24058963

? Volume: 59

? Issue: 9

? Pages: 37-42

? Authors: Mokarim Afroz; Gaggero Giovanni Battista; Ferro Giulio; Robba Michela; Marchese Mario

? Keywords: anomaly detection | cybersecurity | Dataset | photovoltaic | smart grid
? Quartile:
2025:
? Control and Systems Engineering (Q3, rank 218, percentile 42)
? Source Id: 21100456158
? Author Ids: 57210415425;57216708944;57062015700;7004979187;7004398165
? Authoraffiliationids: 60025153;60025153;60121711;60121711;60025153
? Corresponding: Mokarim A.

6.

? Title: Artificial Intelligence and Physics-Based Anomaly Detection in the Smart Grid:
A Survey
? Venue: IEEE Access
? Year: 2025
? Type: Journal
? Subtype: Review
? Citations: 16
? Doi: 10.1109/Access.2025.3537410
? Scopus ID: 2-s2.0-85217069329
? eISSN: 21693536
? Volume: 13
? Pages: 23597-23606
? Authors: Gaggero Giovanni Battista; Girdinio Paola; Marchese Mario
? Keywords: AI | anomaly detection | physics-based anomaly detection | Review | smart
grid
? 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: 57216708944;7003430835;7004398165
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Gaggero G.B.

7.

? Title: Securing Virtual Power Plants: Attack Vector Analysis of Cybersecurity
Vulnerabilities in Ancillary Grid Services
? Venue: IEEE Open Journal of the Industrial Electronics Society
? Year: 2025
? Type: Journal
? Subtype: Article
? Citations: 0
? Doi: 10.1109/Ojies.2025.3622528
? Scopus ID: 2-s2.0-105019589039
? eISSN: 26441284
? Authors: Mokarim Afroz; Gaggero Giovanni Battista; Marchese Mario
? Keywords: ancillary services | attack vectors | cybersecurity | Distributed Energy
Resources (DERs) | time-critical services | Virtual Power Plants (VPPs) |
vulnerabilities
? 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: 57210415425;57216708944;7004398165
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Mokarim A.

8.

? Title: Network Simulations for Non-Terrestrial Networks: Overcoming Deployment Challenges and Advancing System Optimization
? Venue: 2025 IEEE International Conference on Communications Workshops Icc Workshops 2025
? Year: 2025
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? DOI: 10.1109/ICCWorkshops67674.2025.11162227
? Scopus ID: 2-s2.0-105018050217
? Pages: 2051-2056
? Authors: Badini Nour; Patrone Fabio; Zanon Arianna Miraval; Marchese Mario
? Keywords: Network Optimization | Non-Terrestrial Networks | Satellite Communications | Satellite Simulator
? Source Id: 21101337382
? Author Ids: 57854682900;56536292600;57200721477;7004398165
? Authoraffiliationids: 60025153;60025153;60031612;60025153
? Corresponding: Badini N.

9.

? Title: Integration of Forensic Analysis and Event Data Recorders in Automotive Regulation: A Proposed Approach
? Venue: Proceedings of the 2025 IEEE International Conference on Cyber Security and Resilience Csr 2025
? Year: 2025
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Csr64739.2025.11130098
? Scopus ID: 2-s2.0-105016266981
? Pages: 795-800
? Authors: Soomro Faraz Bashir; Caviglia Roberto; Gaggero Giovanni Battista; Djihadi Mageni; Marchese Mario
? Keywords: Automotive Cybersecurity | Digital Forensics | Event Data Recorder (EDR) | UNECE WP. 29 R155 | UNECE WP. 29 R160
? Source Id: 21101331270
? Author Ids: 60102852400;57700266100;57216708944;60102775600;7004398165
? Authoraffiliationids: 60025153-130228801;60025153-130228801;60025153;60025153;60025153
? Corresponding: Soomro F.B.

10.

? Title: Detection of C-V2X Spoofing Attacks using Physical Layer Features and Graph Neural Networks
? Venue: Proceedings of the 2025 IEEE International Conference on Cyber Security and Resilience Csr 2025
? Year: 2025
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Csr64739.2025.11130047
? Scopus ID: 2-s2.0-105016231811

? Pages: 801-806
? Authors: Greco Danilo; Sohail Muhammad Saad; Marchese Mario
? Keywords: C-V2X | Deep Learning | Graph Neural Networks | Physical Layer Security | Software-Defined Radio | Spoofing Detection | Vehicular Networks
? Source Id: 21101331270
? Author Ids: 57197399855;59364633700;7004398165
? Authoraffiliationids: 60023256;60025153;60025153
? Corresponding: Greco D.

11.

? Title: CyberVehiCare: A Testbed for Cybersecurity of Vehicle to Everything (V2X) Automotive Systems
? Venue: Proceedings of the 2025 IEEE International Conference on Cyber Security and Resilience Csr 2025
? Year: 2025
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Csr64739.2025.11130024
? Scopus ID: 2-s2.0-105016108611
? Pages: 818-823
? Authors: Rahman Md Arafatur; Tan Sze Wei; Sohail Mohammed Saad; Gaggero Giovanni Battista; Patrone Fabio; Marchese Mario; Pillai Prashant
? Keywords: Automotive Cybersecurity | CAN Bus Security | Connected Vehicles | CyberVehiCare | Software-Defined Radio | Testbed | V2X Communication | Vehicle Health Monitoring
? Source Id: 21101331270
? Author Ids: 55457938100;59173456600;60102416500;57216708944;56536292600;7004398165;7102162572
? Authoraffiliationids: 60007173;60007173;60025153;60025153;60025153;60025153;60007173
? Corresponding: Rahman M.A.

12.

? Title: Scalable Satellite Handover Management in Non-Terrestrial Networks: A Distributed MADQL Approach
? Venue: IEEE Transactions on Aerospace and Electronic Systems
? Year: 2025
? Type: Journal
? Subtype: Article
? Citations: 0
? Doi: 10.1109/Taes.2025.3594697
? Scopus ID: 2-s2.0-105012585767
? Issn: 00189251
? eISSN: 15579603
? Authors: Badini Nour; Jaber Mona; Marchese Mario; Patrone Fabio
? Keywords: Deep Reinforcement Learning | LEO Satellite Handover | Non-Terrestrial Networks | Resource Management | Satellite Communications and Networking
? Quartile:
2025:
? Aerospace Engineering (Q1, rank 11, percentile 93)
? Electrical and Electronic Engineering (Q1, rank 109, percentile 89)
? Source Id: 17336
? Author Ids: 57854682900;56970872000;7004398165;56536292600
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Badini N.

13.

? Title: Evaluating Performance in Satellite Communication Networks: An NS3-Based Simulation Study

? Venue: IEEE Aerospace Conference Proceedings

? Year: 2025

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Aero63441.2025.11068597

? Scopus ID: 2-s2.0-105012214121

? Issn: 1095323x

? Authors: Badini Nour; Patrone Fabio; Zanon Arianna Miraval; Marchese Mario

? Quartile:

2025:

? Aerospace Engineering (Q3, rank 88, percentile 45)

? Space and Planetary Science (Q3, rank 67, percentile 35)

? Source Id: 75113

? Author Ids: 57854682900;56536292600;57200721477;7004398165

? Authoraffiliationids: 60025153;60025153;60031612;60025153

? Corresponding: Badini N.

14.

? Title: Should We Include Cyberdefense Functionalities in Electrical Power System Protections?: A Proposed Approach

? Venue: IEEE Industrial Electronics Magazine

? Year: 2025

? Type: Journal

? Subtype: Article

? Citations: 5

? Doi: 10.1109/Mie.2024.3416907

? Scopus ID: 2-s2.0-105004023864

? Issn: 19324529

? eISSN: 19410115

? Volume: 19

? Issue: 1

? Pages: 10-16

? Authors: Gaggero Giovanni Battista; Mokarim Afroz; Girdinio Paola; Marchese Mario

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 92, percentile 90)

? Industrial and Manufacturing Engineering (Q1, rank 47, percentile 88)

? Source Id: 5800207505

? Author Ids: 57216708944;57210415425;7003430835;7004398165

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Gaggero G.B.

15.

? Title: On the Latency Trade-off Between Space and Terrestrial Clouds in Non-Terrestrial Networks

? Venue: 2025 12th Advanced Satellite Multimedia Systems Conference and the 18th Signal Processing for Space Communications Workshop Asms Spsc 2025

? Year: 2025

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Asms/Spssc64465.2025.10946050

? Scopus ID: 2-s2.0-105002903093

? Authors: Rojas Camilo; Fraire Juan A.; Patrone Fabio; Marchese Mario
? Keywords: Multi-access Edge Computing
? Source Id: 21101289793
? Author Ids: 57202198493;55667636500;56536292600;7004398165
? Authoraffiliationids: 60025153;60013373-60000658;60025153;60025153
? Corresponding: Rojas C.

16.

? Title: From microgrids to virtual power plants: A cybersecurity perspective
? Venue: Iot Enabled Dc Microgrids Architecture Algorithms Applications and Technologies
? Year: 2024
? Type: Book
? Subtype: Book Chapter
? Citations: 1
? Scopus ID: 2-s2.0-85206234694
? Pages: 103-120
? Authors: Gaggero Giovanni; Piserˆ Diego; Girdinio Paola; Silvestro Federico; Marchese Mario
? Source Id: 21101253473
? Author Ids: 57216708944;57226694852;7003430835;23026343700;7004398165
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Gaggero G.

17.

? Title: Impact Analysis of Cyber Attacks against Energy Communities in Distribution Grids
? Venue: Electronics Switzerland
? Year: 2024
? Type: Journal
? Subtype: Article
? Citations: 6
? DOI: 10.3390/electronics13091709
? Scopus ID: 2-s2.0-85192729998
? eISSN: 20799292
? Volume: 13
? Issue: 9
? Authors: Mekarim Afroz; Gaggero Giovanni Battista; Marchese Mario
? Keywords: cyber attack | European low-voltage test feeder | load demand | power manipulation | renewable energy communities
? 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: 57210415425;57216708944;7004398165
? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Mokarim A.

18.

? Title: Toward a Security Operation Center for Operational Technology in Industrial Networks

? Venue: 2024 IEEE International Workshop on Technologies for Defense and Security Techdefense 2024 Proceedings

? Year: 2024

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? DOI: 10.1109/TechDefense63521.2024.10863654

? Scopus ID: 2-s2.0-85218337379

? Pages: 160-164

? Authors: Gaggero Giovanni Battista; Caviglia Roberto; Girdinio Paola; Marchese Mario

? Source Id: 21101276067

? Author Ids: 57216708944;57700266100;7003430835;7004398165

? Authoraffiliationids:

60025153-100505222;60025153-130228801-100505222;60025153-100505222;60025153-100505222

? Corresponding: Gaggero G.B.

19.

? Title: Federated Learning for Rule-Based Systems: Preliminary Studies

? Venue: 8th IEEE International Forum on Research and Technologies for Society and Industry Innovation Rtsi 2024 Proceeding

? Year: 2024

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Rtsi61910.2024.10761552

? Scopus ID: 2-s2.0-85213818194

? Pages: 143-148

? Authors: Samandari Ahmad; Marchese Mario; Paglialonga Alessia; Patrone Fabio; Rampa Vittorio; Mongelli Maurizio

? Keywords: Decision Tree | eXplainable AI | Federated Learning | non-IID Data | Rule-Based Systems

? Source Id: 21101267110

? Author Ids: 59496319300;7004398165;23668671800;56536292600;6603275866;7005882346

? Authoraffiliationids: 60025153-60021199;60025153;60021199;60025153;60021199;60021199

? Corresponding: Samandari A.

20.

? Title: An IEC 62443-Based Framework for Secure-by-Design Energy Communities

? Venue: IEEE Access

? Year: 2024

? Type: Journal

? Subtype: Article

? Citations: 5

? Doi: 10.1109/Access.2024.3492316

? Scopus ID: 2-s2.0-85209085879

? eISSN: 21693536

? Volume: 12

? Pages: 166320-166332

? Authors: Gaggero Giovanni Battista; Armellin Alessandro; Girdinio Paola; Marchese Mario

? Keywords: cybersecurity | Energy community | security by design | smart grid

? Quartile:

2025:

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

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

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

2024:

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

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

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

? Source Id: 21100374601

? Author Ids: 57216708944;57699327800;7003430835;7004398165

? Authoraffiliationids: 60025153;60025153-128824789;60025153;60025153

? Corresponding: Gaggero G.B.

21.

? Title: A Framework for the Deployment of Cybersecurity Monitoring Tools in the Industrial Environment

? Venue: IT Professional

? Year: 2024

? Type: Journal

? Subtype: Article

? Citations: 6

? Doi: 10.1109/Mitp.2024.3396356

? Scopus ID: 2-s2.0-85206497978

? Issn: 15209202

? eISSN: 1941045X

? Volume: 26

? Issue: 4

? Pages: 62-70

? Authors: Armellin Alessandro; Caviglia Roberto; Gaggero Giovanni; Marchese Mario

? Quartile:

2025:

? Computer Science Applications (Q2, rank 349, percentile 64)

? Software (Q2, rank 187, percentile 62)

? Hardware and Architecture (Q2, rank 88, percentile 62)

2024:

? Computer Science Applications (Q2, rank 331, percentile 65)

? Hardware and Architecture (Q2, rank 82, percentile 63)

? Software (Q2, rank 186, percentile 62)

? Source Id: 25053

? Author Ids: 57699327800;57700266100;57216708944;7004398165

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Armellin A.

22.

? Title: Are IDS Violating Segmentation in Industrial Networks?

? Venue: Proceedings of the 2024 IEEE International Conference on Cyber Security and Resilience Csr 2024

? Year: 2024

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.1109/Csr61664.2024.10679425

? Scopus ID: 2-s2.0-85206212466

? Pages: 45-49

? Authors: Gaggero Giovanni Battista; Caviglia Roberto; Girdinio Paola; Marchese Mario

? Keywords: IEC 62443 | Industrial Control System | Intrusion Detection System |

Network Segmentation

? Source Id: 21101253086

? Author Ids: 57216708944;57700266100;7003430835;7004398165

? Authoraffiliationids: 60025153;60025153-130228801;60025153;60025153

? Corresponding: Gaggero G.B.

23.

? Title: An SDR-Based Framework for Cybersecurity Assessment of Vehicle-to-Everything (V2X) Systems

? Venue: Proceedings of the 2024 IEEE International Conference on Cyber Security and Resilience Csr 2024

? Year: 2024

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.1109/Csr61664.2024.10679384

? Scopus ID: 2-s2.0-85206183642

? Pages: 537-544

? Authors: Sohail Muhammad Saad; Portamauro Giancarlo; Patrone Fabio; Marchese Mario

? Keywords: Cellular | Decentralized Environmental Notification Message (DENM) |

Dedicated Short-Range Communications (DSRC) | In-Vehicle Information (IVI) |

Intelligent Transportation Service | On Board Unit (OBU) | Road Side Unit (RSU) |

Vehicle to everything

? Source Id: 21101253086

? Author Ids: 59364633700;59364527700;56536292600;7004398165

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Sohail M.S.

24.

? Title: Fuzzy Logic-Based Orchestration of Multi-Access Edge Computing in LEO Satellite Constellations

? Venue: 2024 IEEE International Conference on Communications Workshops Icc Workshops 2024

? Year: 2024

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? DOI: 10.1109/ICCWorkshops59551.2024.10615305

? Scopus ID: 2-s2.0-85202450056

? Pages: 1685-1690

? Authors: Rojas Camilo; Fraire Juan A.; Patrone Fabio; Marchese Mario

? Keywords: Multi-access Edge Computing | Satellite Constellation

? Source Id: 21101245169

? Author Ids: 57202198493;55667636500;56536292600;7004398165

? Authoraffiliationids: 60025153;60013373-60000658;60025153;60025153

? Corresponding: Rojas C.

25.

? Title: Advanced Constellation Emulation and Synthetic Datasets Generation for Non-Terrestrial Networks

? Venue: 2024 IEEE International Mediterranean Conference on Communications and Networking Meditcom 2024

? Year: 2024

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? DOI: 10.1109/MeditCom61057.2024.10621248

? Scopus ID: 2-s2.0-85202354976
? Pages: 37-43
? Authors: Rojas Camilo; Fraire Juan A.; Patrone Fabio; Marchese Mario
? Keywords: Machine Learning | Multi-access Edge Computing | Satellite Constellation | Software-Defined Networks | Synthetic Datasets
? Source Id: 21101244717
? Author Ids: 57202198493;55667636500;56536292600;7004398165
? Authoraffiliationids: 60025153;60013373-60000658;60025153;60025153
? Corresponding: Rojas C.

26.

? Title: BESS-Set: A Dataset for Cybersecurity Monitoring in a Battery Energy Storage System
? Venue: IEEE Open Access Journal of Power and Energy
? Year: 2024
? Type: Journal
? Subtype: Article
? Citations: 5
? Doi: 10.1109/Oajpe.2024.3439856
? Scopus ID: 2-s2.0-85200813502
? eISSN: 26877910
? Volume: 11
? Pages: 362-372
? Authors: Battista Gaggero Giovanni; Armellin Alessandro; Ferro Giulio; Robba Michela; Girdinio Paola; Marchese Mario
? Keywords: anomaly detection | cybersecurity | Dataset | distributed energy resources | smart grid | storage
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 222, percentile 77)
? Energy Engineering and Power Technology (Q2, rank 89, percentile 72)
2024:
? Electrical and Electronic Engineering (Q1, rank 183, percentile 81)
? Energy Engineering and Power Technology (Q2, rank 76, percentile 74)
? Source Id: 21101059747
? Author Ids: 57216708944;57699327800;57062015700;7004979187;7003430835;7004398165
? Authoraffiliationids: 60025153;60025153;60121711;60121711;60025153;60025153
? Corresponding: Battista Gaggero G.

27.

? Title: User-Centric Satellite Handover for Multiple Traffic Profiles Using Deep Q-Learning
? Venue: IEEE Transactions on Aerospace and Electronic Systems
? Year: 2024
? Type: Journal
? Subtype: Article
? Citations: 8
? Doi: 10.1109/Taes.2024.3434771
? Scopus ID: 2-s2.0-85200261460
? Issn: 00189251
? eISSN: 15579603
? Volume: 60
? Issue: 6
? Pages: 8591-8604
? Authors: Badini Nour; Jaber Mona; Marchese Mario; Patrone Fabio
? Keywords: Deep neural network (DNN) | deep Q-learning (DQL) | distributed satellite

handover (HO) | multiagent reinforcement learning (MARL) | satellite-terrestrial integrated network (STIN) simulator

? Quartile:

2025:

? Aerospace Engineering (Q1, rank 11, percentile 93)

? Electrical and Electronic Engineering (Q1, rank 109, percentile 89)

2024:

? Aerospace Engineering (Q1, rank 14, percentile 91)

? Electrical and Electronic Engineering (Q1, rank 126, percentile 87)

? Source Id: 17336

? Author Ids: 57854682900;56970872000;7004398165;56536292600

? Authoraffiliationids:

60025153-60022109;60025153-60022109;60025153-60022109;60025153-60022109

? Corresponding: Badini N.

28.

? Title: OpenSatRange: An Open Cyber Range for Operators and Users of Satellite Communication Networks

? Venue: Ceur Workshop Proceedings

? Year: 2024

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Scopus ID: 2-s2.0-85199538329

? Issn: 16130073

? Volume: 3731

? Authors: Patrone Fabio; Loreti Pierpaolo; Fiscariello Luca; Bracciale Lorenzo; Amici Alessandro; Detti Andrea; Roseti Cesare; Zampognaro Francesco; Luglio Michele; Bianchi Giuseppe; Marchese Mario

? Keywords: Cyber range | OpenStack | Satellite communication networks

? Quartile:

2025:

? Computer Science (all) (Q4, rank 214, percentile 11)

2024:

? Computer Science (all) (Q4, rank 215, percentile 10)

? Source Id: 21100218356

? Author Ids: 56536292600;7003459349;59233438400;24722537100;57697346500;6602789368;15127967700;24484308800;7003570928;7203066398;7004398165

? Authoraffiliationids: 60025153;60103966;60331872;60103966;60103966;60103966;60331872;60331872;60331872;60103966;60025153

? Corresponding: Patrone F.

29.

? Title: Vulnerability Assessment of Industrial and Agricultural Control Systems within the IoT Framework

? Venue: Intelligent Computing on IoT 2.0 Big Data Analytics and Block Chain Technology

? Year: 2024

? Type: Book

? Subtype: Book Chapter

? Citations: 2

? Doi: 10.1201/9781003326236-19

? Scopus ID: 2-s2.0-85194761973

? Pages: 350-371

? Authors: Caviglia Roberto; Davoli Franco; Fausto Alessandro; Gaggero Giovanni; Marchese Mario; Moheddine Aya; Patrone Fabio; Portomauro Giancarlo

? Source Id: 21101225740

? Author Ids: 57700266100;57220364548;57216708248;57216708944;7004398165;57210886858;56536292600;15128054100
? Authoraffiliationids:
60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Caviglia R.

30.

? Title: Industrial Control System-Anomaly Detection Dataset (ICS-ADD) for Cyber-Physical Security Monitoring in Smart Industry Environments
? Venue: IEEE Access
? Year: 2024
? Type: Journal
? Subtype: Article
? Citations: 19
? Doi: 10.1109/Access.2024.3395991
? Scopus ID: 2-s2.0-85192180205
? eISSN: 21693536
? Volume: 12
? Pages: 64140-64149
? Authors: Gaggero Giovanni Battista; Armellin Alessandro; Portomauro Giancarlo; Marchese Mario
? Keywords: cyber-events dataset | cybersecurity | Industrial control system | open source | OSSIM | smart industry | Suricata
? Quartile:
2025:
? Engineering (all) (Q1, rank 42, percentile 88)
? Computer Science (all) (Q1, rank 41, percentile 83)
? Materials Science (all) (Q1, rank 101, percentile 78)
2024:
? Engineering (all) (Q1, rank 32, percentile 90)
? Computer Science (all) (Q1, rank 33, percentile 86)
? Materials Science (all) (Q1, rank 87, percentile 81)
? Source Id: 21100374601
? Author Ids: 57216708944;57699327800;15128054100;7004398165
? Authoraffiliationids: 60025153;60025153-128824789;60025153;60025153
? Corresponding: Gaggero G.B.

31.

? 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.

32.

? 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.

33.

? Title: UAV-based LoRaWAN flying gateway for the internet of flying things

? Venue: International Journal of Communication Systems

? Year: 2023

? Type: Journal

? Subtype: Article

? Citations: 2

? DOI: 10.1002/dac.5421

? Scopus ID: 2-s2.0-85144832641

? Issn: 10745351

? eISSN: 10991131

? Volume: 36

? Issue: 5

? Authors: Moheddine Aya; Patrone Fabio; Marchese Mario

? Keywords: data mule | flying gateway | internet of flying things | LoRaWAN | low power wide area network | unmanned aerial vehicle

? Quartile:

2025:

? Electrical and Electronic Engineering (Q2, rank 309, percentile 69)

? Computer Networks and Communications (Q2, rank 171, percentile 68)

2023:

? Electrical and Electronic Engineering (Q2, rank 218, percentile 72)

? Computer Networks and Communications (Q2, rank 123, percentile 68)

? Source Id: 17964

? Author Ids: 57210886858;56536292600;7004398165

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Moheddine A.

34.

? Title: Routing in Scalable Delay-Tolerant Space Networks with Graph Neural Networks

? Venue: International Conference on Embedded Wireless Systems and Networks

? Year: 2023

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Scopus ID: 2-s2.0-85200537490

? eISSN: 25622331

? Authors: Olmedo Matˆas; Fraire Juan A.; Cherini Renato; Patrone Fabio; Marchese Mario

? Quartile:

2025:

? Computer Networks and Communications (Q4, rank 451, percentile 17)

? Information Systems (Q4, rank 414, percentile 16)

? Electrical and Electronic Engineering (Q4, rank 831, percentile 16)

2023:

? Electrical and Electronic Engineering (Q3, rank 515, percentile 35)

? Computer Networks and Communications (Q3, rank 276, percentile 30)

? Information Systems (Q3, rank 281, percentile 28)

? Source Id: 21101067699

? Author Ids: 57544437200;55667636500;35247776600;56536292600;7004398165

? Authoraffiliationids: 60020507;60016253-60004518;60000658;60025153;60025153

? Corresponding: Olmedo M.

35.

? Title: Continuous Time Emulation for Software-Defined Non-Terrestrial Edge Computing Networks

? Venue: 28th European Wireless Conference Ew 2023

? Year: 2023

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Scopus ID: 2-s2.0-85191259429

? Pages: 223-228

? Authors: Rojas Camilo; Fraire Juan A.; Patrone Fabio; Gotta Alberto; Marchese Mario

? Keywords: Multi-access Edge Computing | Satellite Constellation | Software-Defined Networks

? Source Id: 21101216404

? Author Ids: 57202198493;55667636500;56536292600;9846429300;7004398165

? Authoraffiliationids: 60025153;60016253-60000658;60025153;60008218;60025153

? Corresponding: Rojas C.

36.

? Title: Energy-Aware Satellite Handover Based on Deep Reinforcement Learning

? Venue: 2023 IEEE Globecom Workshops GC Wkshps 2023

? Year: 2023

? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? DOI: 10.1109/GCWkshps58843.2023.10464394
? Scopus ID: 2-s2.0-85190246987
? Pages: 437-442
? Authors: Badini Nour; Jaber Mona; Marchese Mario; Patrone Fabio
? Keywords: Deep Neural Network | Deep Q-Learning | Energy Efficiency | Multi-Agent Reinforcement Learning | Satellite Handover | Satellite-Terrestrial Integrated Network Simulator
? Source Id: 21101214471
? Author Ids: 57854682900;56970872000;7004398165;56536292600
? Authoraffiliationids: 60025153-60022109;60022109;60025153;60025153
? Corresponding: Badini N.

37.

? Title: Integrating OT data in SIEM platforms: an Energy Utility Perspective
? Venue: 4th International Conference on Electrical Communication and Computer Engineering Icecce 2023
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 8
? Doi: 10.1109/Icecce61019.2023.10442554
? Scopus ID: 2-s2.0-85187220481
? Authors: Armellin Alessandro; Gaggero Giovanni Battista; Cattelino Alessandro; Piana Loris; Raggi Stefano; Marchese Mario
? Keywords: Cybersecurity | Energy Utility | Operational Technology | SIEM
? Source Id: 21101206195
? Author Ids: 57699327800;57216708944;57929518600;58928510300;58928435200;7004398165
? Authoraffiliationids: 60025153-128824789;60025153;128824789;128824789;128824789;60025153
? Corresponding: Armellin A.

38.

? Title: Evaluation of the Impact of Cyber-Attacks Against Electric Vehicle Charging Stations in a Low Voltage Distribution Grid
? Venue: 2023 IEEE International Conference on Communications Control and Computing Technologies for Smart Grids Smartgridcomm 2023 Proceedings
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 9
? DOI: 10.1109/SmartGridComm57358.2023.10333896
? Scopus ID: 2-s2.0-85179139824
? Authors: Mokarim Afroz; Gaggero Giovanni Battista; Marchese Mario
? Keywords: Cyber attacks | distribution grid | electric vehicle charging stations | low-voltage
? Source Id: 21101194357
? Author Ids: 57210415425;57216708944;7004398165
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Mokarim A.

39.

? Title: Reinforcement Learning-Based Load Balancing Satellite Handover Using NS-3
? Venue: IEEE International Conference on Communications
? Year: 2023

- ? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 11
? Doi: 10.1109/lcc45041.2023.10279521
? Scopus ID: 2-s2.0-85178287743
? Issn: 15503607
? Volume: 2023-May
? Pages: 2595-2600
? Authors: Badini Nour; Jaber Mona; Marchese Mario; Patrone Fabio
? Keywords: 5G Satellite-Terrestrial Integrated Networks | NS-3 | Reinforcement Learning | Satellite Handover
? Source Id: 33201
? Author Ids: 57854682900;56970872000;7004398165;56536292600
? Authoraffiliationids: 60025153-60022109;60022109;60025153;60025153
? Corresponding: Badini N.
40.
? Title: SPAT: A Testbed for Automotive Cybersecurity Training
? Venue: Proceedings of the 2023 IEEE International Conference on Cyber Security and Resilience Csr 2023
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Doi: 10.1109/Csr57506.2023.10224967
? Scopus ID: 2-s2.0-85171733782
? Pages: 381-386
? Authors: Caviglia Roberto; Gaggero Giovanni Battista; Vincis Nicola; Morando Omar; Aceti Alessio; Marchese Mario
? Keywords: automotive | CANBus | cybersecurity | testbed | training
? Source Id: 21101178243
? Author Ids: 57700266100;57216708944;58609323200;57222380530;58609673600;7004398165
? Authoraffiliationids: 60025153-130228801;60025153;130228801;130228801;130228801;60025153
? Corresponding: Caviglia R.
41.
? Title: Intelligent Space Communication Networks
? Venue: Signals and Communication Technology
? Year: 2023
? Type: Book Series
? Subtype: Book Chapter
? Citations: 1
? Doi: 10.1007/978-3-031-30762-1_7
? Scopus ID: 2-s2.0-85166118794
? Issn: 18604862
? eISSN: 18604870
? Volume: Part F1069
? Pages: 171-183
? Authors: Marchese Mario; Morosi Simone; Patrone Fabio
? Keywords: Artificial intelligence | Edge computing | Remote sensing | Resource allocation | Security | Space communications
? Quartile:
2025:
? Computer Networks and Communications (Q4, rank 420, percentile 23)
? Electrical and Electronic Engineering (Q4, rank 766, percentile 23)

? Signal Processing (Q4, rank 151, percentile 22)
? Control and Systems Engineering (Q4, rank 316, percentile 17)
2023:
? Electrical and Electronic Engineering (Q4, rank 643, percentile 19)
? Control and Systems Engineering (Q4, rank 268, percentile 16)
? Signal Processing (Q4, rank 111, percentile 15)
? Computer Networks and Communications (Q4, rank 347, percentile 12)
? Source Id: 21100901476
? Author Ids: 7004398165;6701609673;56536292600
? Authoraffiliationids: 60025153;60021859;60025153
? Corresponding: Marchese M.

42.

? Title: The Role of Satellite in 5G and Beyond
? Venue: Signals and Communication Technology
? Year: 2023
? Type: Book Series
? Subtype: Book Chapter
? Citations: 2
? Doi: 10.1007/978-3-031-30762-1_2
? Scopus ID: 2-s2.0-85166110138
? Issn: 18604862
? eISSN: 18604870
? Volume: Part F1069
? Pages: 41-66
? Authors: Marchese Mario; Patrone Fabio; Guidotti Alessandro
? Keywords: 5G | 6G | Beyond 5G | Non-terrestrial networks | Radio access network
? Quartile:
2025:
? Computer Networks and Communications (Q4, rank 420, percentile 23)
? Electrical and Electronic Engineering (Q4, rank 766, percentile 23)
? Signal Processing (Q4, rank 151, percentile 22)
? Control and Systems Engineering (Q4, rank 316, percentile 17)
2023:
? Electrical and Electronic Engineering (Q4, rank 643, percentile 19)
? Control and Systems Engineering (Q4, rank 268, percentile 16)
? Signal Processing (Q4, rank 111, percentile 15)
? Computer Networks and Communications (Q4, rank 347, percentile 12)
? Source Id: 21100901476
? Author Ids: 7004398165;56536292600;56948758400
? Authoraffiliationids: 60025153;60025153;60103966
? Corresponding: Marchese M.

43.

? Title: An SDR-Based Cybersecurity Verification Framework for Smart Agricultural Machines
? Venue: IEEE Access
? Year: 2023
? Type: Journal
? Subtype: Article
? Citations: 11
? Doi: 10.1109/Access.2023.3282169
? Scopus ID: 2-s2.0-85161519280
? eISSN: 21693536
? Volume: 11
? Pages: 54210-54220

? Authors: Caviglia Roberto; Gaggero Giovanni; Portomauro Giancarlo; Patrone Fabio; Marchese Mario
? Keywords: autonomous machines | cybersecurity | penetration test | Smart agriculture | software defined radio (SDR) | wireless communications
? 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: 57700266100;57216708944;15128054100;56536292600;7004398165
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Caviglia R.

44.

? Title: Novel Cybersecurity Issues in Smart Energy Communities
? Venue: 1st International Conference in Advanced Innovation on Smart City Icaisc 2023 Proceedings
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 13
? Doi: 10.1109/Icaisc56366.2023.10085312
? Scopus ID: 2-s2.0-85153051667
? Authors: Gaggero Giovanni Battista; Piserˆ Diego; Girdinio Paola; Silvestro Federico; Marchese Mario
? Keywords: Cybersecurity | Energy Community | Smart Grid
? Source Id: 21101147411
? Author Ids: 57216708944;57226694852;7003430835;23026343700;7004398165
? Authoraffiliationids: 60025153;60025153-126318742;60025153;60025153;60025153
? Corresponding: Gaggero G.B.

45.

? Title: Foreword to the Special Section on Information and Communication Technologies (ICT) for a New Space Vision
? Venue: IEEE Transactions on Aerospace and Electronic Systems
? Year: 2022
? Type: Journal
? Subtype: Editorial
? Citations: 1
? Doi: 10.1109/Taes.2022.3209856
? Scopus ID: 2-s2.0-85140313975
? Issn: 00189251
? eISSN: 15579603
? Volume: 58
? Issue: 5
? Pages: 3743-3745
? Authors: Sacchi Claudio; Granelli Fabrizio; Marchese Mario; Cheung Kar Ming; Noble Michael
? Quartile:
2025:
? Aerospace Engineering (Q1, rank 11, percentile 93)

? Electrical and Electronic Engineering (Q1, rank 109, percentile 89)

2022:

? Aerospace Engineering (Q1, rank 15, percentile 89)

? Electrical and Electronic Engineering (Q1, rank 119, percentile 83)

? Source Id: 17336

? Author Ids: 56206655300;6701655006;7004398165;7402406630;57216040137

? Authoraffiliationids: 60015986;60015986;60025153;60009037;60274455

? Corresponding: Sacchi C.

46.

? Title: Performance Evaluation of a Satellite Communication-Based MEC Architecture for IoT Applications

? Venue: IEEE Transactions on Aerospace and Electronic Systems

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 24

? Doi: 10.1109/Taes.2022.3199330

? Scopus ID: 2-s2.0-85136848513

? Issn: 00189251

? eISSN: 15579603

? Volume: 58

? Issue: 5

? Pages: 3775-3785

? Authors: Luglio Michele; Marchese Mario; Patrone Fabio; Roseti Cesare; Zampognaro Francesco

? Keywords: Internet of Things (IoT) | Message Queuing Telemetry Transport (MQTT) | multi-Access edge computing (MEC) | satellite communications (SatCom)

? Quartile:

2025:

? Aerospace Engineering (Q1, rank 11, percentile 93)

? Electrical and Electronic Engineering (Q1, rank 109, percentile 89)

2022:

? Aerospace Engineering (Q1, rank 15, percentile 89)

? Electrical and Electronic Engineering (Q1, rank 119, percentile 83)

? Source Id: 17336

? Author Ids: 7003570928;7004398165;56536292600;15127967700;24484308800

? Authoraffiliationids: 60027509;60025153;60025153;60027509;60027509

? Corresponding: Luglio M.

47.

? Title: Flow Assignment and Processing on a Distributed Edge Computing Platform

? Venue: IEEE Transactions on Vehicular Technology

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 1

? Doi: 10.1109/Tvt.2022.3172792

? Scopus ID: 2-s2.0-85132519369

? Issn: 00189545

? eISSN: 19399359

? Volume: 71

? Issue: 8

? Pages: 8783-8795

? Authors: Davoli Franco; Marchese Mario; Patrone Fabio

? Keywords: 5G | distributed computing | Flow assignment | MEC | resource allocation

? 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: 57220364548;7004398165;56536292600

? Authoraffiliationids: 60025153-60103966;60025153;60025153-60103966

? Corresponding: Davoli F.

48.

? Title: Detecting Cyberattacks on Electrical Storage Systems through Neural Network Based Anomaly Detection Algorithm

? Venue: Sensors

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 21

? DOI: 10.3390/s22103933

? Scopus ID: 2-s2.0-85130394047

? Issn: 14248220

? Volume: 22

? Issue: 10

? Authors: Gaggero Giovanni Battista; Caviglia Roberto; Armellin Alessandro; Rossi Mansueto; Girdinio Paola; Marchese Mario

? Keywords: anomaly detection | autoencoder | cybersecurity | distributed energy resources | electrical battery storage systems | neural network

? 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: 57216708944;57700266100;57699327800;7403708681;7003430835;7004398165

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

? Corresponding: Gaggero G.B.

49.

? Title: Orbital Edge Offloading on Mega-LEO Satellite Constellations for Equal Access to Computing

? Venue: IEEE Communications Magazine
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 78
? Doi: 10.1109/Mcom.001.2100818
? Scopus ID: 2-s2.0-85128868852
? Issn: 01636804
? eISSN: 15581896
? Volume: 60
? Issue: 4
? Pages: 32-36
? Authors: Cassara Pietro; Gotta Alberto; Marchese Mario; Patrone Fabio
? Quartile:
2025:
? Computer Networks and Communications (Q1, rank 21, percentile 96)
? Electrical and Electronic Engineering (Q1, rank 46, percentile 95)
? Computer Science Applications (Q1, rank 63, percentile 93)
2022:
? Computer Science Applications (Q1, rank 9, percentile 98)
? Computer Networks and Communications (Q1, rank 6, percentile 98)
? Electrical and Electronic Engineering (Q1, rank 16, percentile 97)
? Source Id: 17249
? Author Ids: 24767643400;9846429300;7004398165;56536292600
? Authoraffiliationids: 60008218-128037071;60008218-60000251;60025153;60025153
? Corresponding: Cassara P.

50.

? Title: Reduction of the Delays Within an Intrusion Detection System (IDS) Based on Software Defined Networking (SDN)
? Venue: IEEE Access
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 14
? Doi: 10.1109/Access.2022.3214974
? Scopus ID: 2-s2.0-85140779316
? eISSN: 21693536
? Volume: 10
? Pages: 109850-109862
? Authors: Fausto Alessandro; Gaggero Giovanni; Patrone Fabio; Marchese Mario
? Keywords: Cybersecurity | intrusion detection system (IDS) | key performance indicators (KPI) | OpenFlow | software defined networking (SDN)
? 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: 57216708248;57216708944;56536292600;7004398165
? Authoraffiliationids: 60025153-128791506;60025153;60025153;60025153

? Corresponding: Fausto A.

51.

? Title: Cybersecurity Issues in Communication-Based Electrical Protections

? Venue: International Conference on Electrical Computer and Energy Technologies Icecet 2022

? Year: 2022

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 7

? Doi: 10.1109/Icecet55527.2022.9873081

? Scopus ID: 2-s2.0-85138917455

? Authors: Gaggero Giovanni Battista; Rossi Mansueto; Girdinio Paola; Marchese Mario

? Keywords: cybersecurity | electrical protection | IEC 62351 | microgrid | smart grid

? Source Id: 21101110203

? Author Ids: 57216708944;7403708681;7003430835;7004398165

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Gaggero G.B.

52.

? Title: Comparison between UAV IoT solutions with and without satellite backhaul link

? Venue: IEEE Aerospace Conference Proceedings

? Year: 2022

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 3

? Doi: 10.1109/Aero53065.2022.9843367

? Scopus ID: 2-s2.0-85137585931

? Issn: 1095323x

? Volume: 2022-March

? Authors: Moheddine Aya; Patrone Fabio; Marchese Mario

? Quartile:

2025:

? Aerospace Engineering (Q3, rank 88, percentile 45)

? Space and Planetary Science (Q3, rank 67, percentile 35)

2022:

? Aerospace Engineering (Q3, rank 82, percentile 40)

? Space and Planetary Science (Q3, rank 69, percentile 32)

? Source Id: 75113

? Author Ids: 57210886858;56536292600;7004398165

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Moheddine A.

53.

? Title: NS-3-based 5G Satellite-Terrestrial Integrated Network Simulator

? Venue: MELECON 2022 IEEE Mediterranean Electrotechnical Conference Proceedings

? Year: 2022

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 22

? Doi: 10.1109/Melecon53508.2022.9843098

? Scopus ID: 2-s2.0-85136415922

? Pages: 154-159

? Authors: Badini Nour; Marchese Mario; Patrone Fabio

? Keywords: 5G | NS-3 | Satellite-Terrestrial Integrated Networks | System Level Simulator

? Source Id: 21101102123

? Author Ids: 57854682900;7004398165;56536292600

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Badini N.

54.

? Title: A Framework for Network Security Verification of Automated Vehicles in the Agricultural Domain

? Venue: Proceedings of the 2022 26th International Conference Electronics Electronics 2022

? Year: 2022

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 7

? Doi: 10.1109/leeeconf55059.2022.9810440

? Scopus ID: 2-s2.0-85135051185

? Authors: Gaggero Giovanni Battista; Fausto Alessandro; Patrone Fabio; Marchese Mario

? Keywords: Agriculture | Automation | CANbus | Cybersecurity | Verification

? Source Id: 21101098734

? Author Ids: 57216708944;57216708248;56536292600;7004398165

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Gaggero G.B.

55.

? Title: Resource Allocation in Satellite Networks?From Physical to Virtualized Network Functions

? Venue: Lecture Notes in Networks and Systems

? Year: 2022

? Type: Book Series

? Subtype: Book Chapter

? Citations: 1

? Doi: 10.1007/978-3-030-87049-2_19

? Scopus ID: 2-s2.0-85126533391

? Issn: 23673370

? eISSN: 23673389

? Volume: 289

? Pages: 559-580

? Authors: Davoli Franco; Marchese Mario

? Keywords: 5G | 6G | Network management and control | Resource allocation | Satellite communications

? 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)

2022:

? Signal Processing (Q4, rank 108, percentile 11)

? Control and Systems Engineering (Q4, rank 256, percentile 10)

? Computer Networks and Communications (Q4, rank 347, percentile 8)

? Source Id: 21100901469

? Author Ids: 57220364548;7004398165

? Authoraffiliationids: 60025153-124426043;60025153

? Corresponding: Davoli F.

56.

? Title: Toward the integration of cyber and physical security monitoring systems for critical infrastructures

? Venue: Sensors

? Year: 2021
? Type: Journal
? Subtype: Article
? Citations: 26
? DOI: 10.3390/s21216970
? Scopus ID: 2-s2.0-85117331623
? Issn: 14248220
? Volume: 21
? Issue: 21
? Authors: Fausto Alessandro; Gaggero Giovanni Battista; Patrone Fabio; Girdinio Paola; Marchese Mario
? Keywords: Anomaly detection | Critical infrastructure | Cybersecurity | Machine learning | Physical security
? 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)
2021:
? Instrumentation (Q1, rank 12, percentile 91)
? Electrical and Electronic Engineering (Q1, rank 134, percentile 81)
? Atomic and Molecular Physics, and Optics (Q1, rank 42, percentile 79)
? Analytical Chemistry (Q1, rank 27, percentile 79)
? Information Systems (Q1, rank 77, percentile 78)
? Biochemistry (Q2, rank 145, percentile 66)
? Source Id: 130124
? Author Ids: 57216708248;57216708944;56536292600;7003430835;7004398165
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Fausto A.

57.

? Title: Advancements and research trends in microgrids cybersecurity
? Venue: Applied Sciences Switzerland
? Year: 2021
? Type: Journal
? Subtype: Review
? Citations: 21
? DOI: 10.3390/app11167363
? Scopus ID: 2-s2.0-85112518826
? eISSN: 20763417
? Volume: 11
? Issue: 16
? Authors: Gaggero Giovanni Battista; Girdinio Paola; Marchese Mario
? Keywords: Anomaly detection | Cybersecurity | Intrusion detection systems (IDS) | Resiliency | Smart microgrids | Software defined networking (SDN)
? 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)

2021:

? Engineering (all) (Q2, rank 81, percentile 73)

? Instrumentation (Q2, rank 52, percentile 62)

? Computer Science Applications (Q2, rank 301, percentile 59)

? Fluid Flow and Transfer Processes (Q2, rank 37, percentile 58)

? Materials Science (all) (Q2, rank 219, percentile 51)

? Process Chemistry and Technology (Q3, rank 32, percentile 48)

? Source Id: 21100829268

? Author Ids: 57216708944;7003430835;7004398165

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Gaggero G.B.

58.

? Title: A possible smart metering system evolution for rural and remote areas employing unmanned aerial vehicles and internet of things in smart grids

? Venue: Sensors

? Year: 2021

? Type: Journal

? Subtype: Article

? Citations: 33

? DOI: 10.3390/s21051627

? Scopus ID: 2-s2.0-85101391601

? Issn: 14248220

? Volume: 21

? Issue: 5

? Pages: 1-23

? Authors: Gaggero Giovanni Battista; Marchese Mario; Moheddine Aya; Patrone Fabio

? Keywords: Internet of Things | Low Power Wide Area Network | Smart Grid | Smart Metering | UAV

? 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)

2021:

? Instrumentation (Q1, rank 12, percentile 91)

? Electrical and Electronic Engineering (Q1, rank 134, percentile 81)

? Atomic and Molecular Physics, and Optics (Q1, rank 42, percentile 79)

? Analytical Chemistry (Q1, rank 27, percentile 79)

? Information Systems (Q1, rank 77, percentile 78)

? Biochemistry (Q2, rank 145, percentile 66)

? Source Id: 130124

? Author Ids: 57216708944;7004398165;57210886858;56536292600

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Gaggero G.B.

59.

? 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.

60.
? Title: Data-driven Network Orchestrator for 5G Satellite-Terrestrial Integrated Networks: The ANChOR Project
? Venue: Proceedings IEEE Global Communications Conference Globecom
? Year: 2021
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 9
? Doi: 10.1109/Globecom46510.2021.9685584
? Scopus ID: 2-s2.0-85184374513
? Issn: 23340983
? eISSN: 25766813
? Authors: Patrone Fabio; Bacci Giacomo; Galli Antonio; Giardina Pietro; Landi Giada; Luglio Michele; Marchese Mario; Quadrini Mattia; Roseti Cesare; Sperli Giancarlo; Vaccaro Attilio; Zampognaro Francesco
? 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: 56536292600;22833244700;57210585022;57194397543;24828948800;7003570928;7004398165;57193276812;15127967700;55510822500;25929694800;24484308800
? Authoraffiliationids: 60025153;113003886;101576099;60116408;60116408;120521552;60025153;120521552;120521552;101576099;113003886;120521552

? Corresponding: Patrone F.

61.

? Title: A Unified Optimisation Framework for QoS Management and Congestion Control in VHTS Systems

? Venue: IEEE Transactions on Vehicular Technology

? Year: 2020

? Type: Journal

? Subtype: Article

? Citations: 7

? Doi: 10.1109/Tvt.2020.3015252

? Scopus ID: 2-s2.0-85095710975

? Issn: 00189545

? eISSN: 19399359

? Volume: 69

? Issue: 10

? Pages: 11619-11631

? Authors: De Cola Tomaso; Marchese Mario; Mongelli Maurizio; Patrone Fabio

? Keywords: Congestion control | feeder link outage | QoS management | satellite communications

? Quartile:

2025:

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

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

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

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

2020:

? Subject (Q1, rank 9, percentile 98)

? Aerospace Engineering (Q1, rank 3, percentile 98)

? Automotive Engineering (Q1, rank 6, percentile 94)

? Electrical and Electronic Engineering (Q1, rank 51, percentile 92)

? Source Id: 17393

? Author Ids: 10739364500;7004398165;7005882346;56536292600

? Authoraffiliationids: 60007798;60025153;60021199;60025153

? Corresponding: De Cola T.

62.

? Title: E-CGR: Energy-Aware Contact Graph Routing over Nanosatellite Networks

? Venue: IEEE Transactions on Green Communications and Networking

? Year: 2020

? Type: Journal

? Subtype: Article

? Citations: 39

? Doi: 10.1109/Tgcn.2020.2978296

? Scopus ID: 2-s2.0-85089595735

? eISSN: 24732400

? Volume: 4

? Issue: 3

? Pages: 890-902

? Authors: Marchese Mario; Patrone Fabio

? Keywords: DTN | nanosatellite communications | remote areas connection | satellite networks

? Quartile:

2025:

? Computer Networks and Communications (Q1, rank 22, percentile 96)

? Renewable Energy, Sustainability and the Environment (Q1, rank 48, percentile 84)

2020:

? Computer Networks and Communications (Q1, rank 38, percentile 88)

? Renewable Energy, Sustainability and the Environment (Q1, rank 35, percentile 82)

? Source Id: 21100906361

? Author Ids: 7004398165;56536292600

? Authoraffiliationids: 60025153;60025153

? Corresponding: Marchese M.

63.

? Title: Smart Gateway Diversity Strategies for Q/V Feeder Links in SDN-Satellite Networks

? Venue: 2020 Mediterranean Communication and Computer Networking Conference Medcomnet 2020

? Year: 2020

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 4

? DOI: 10.1109/MedComNet49392.2020.9191584

? Scopus ID: 2-s2.0-85092709233

? Authors: Davoli Franco; Marchese Mario; Patrone Fabio; Cola Tomaso De; Mongelli Maurizio

? Source Id: 21101023310

? Author Ids: 57220364548;7004398165;56536292600;10739364500;7005882346

? Authoraffiliationids: 60025153;60025153;60025153;60007798;60021199

? Corresponding: Davoli F.

64.

? Title: QoS-Aware Handover Strategies for Q/V Feeder Links in VHTS Systems

? Venue: IEEE International Conference on Communications

? Year: 2020

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 7

? Doi: 10.1109/lcc40277.2020.9148805

? Scopus ID: 2-s2.0-85089430667

? Issn: 15503607

? Volume: 2020-June

? Authors: Marchese Mario; Moheddine Aya; Patrone Fabio; Cola Tomaso De; Mongelli Maurizio

? Source Id: 33201

? Author Ids: 7004398165;57210886858;56536292600;10739364500;7005882346

? Authoraffiliationids: 60025153;60025153;60025153;60007798;60021199

? Corresponding: Marchese M.

65.

? Title: Detecting system fault/cyberattack within a photovoltaic system connected to the grid: A neural network-based solution

? Venue: Journal of Sensor and Actuator Networks

? Year: 2020

? Type: Journal

? Subtype: Article

? Citations: 20

? DOI: 10.3390/jsan9020020

? Scopus ID: 2-s2.0-85084829746

? eISSN: 22242708

? Volume: 9

? Issue: 2

? Authors: Gaggero Giovanni Battista; Rossi Mansueto; Girdinio Paola; Marchese Mario

? Keywords: Anomaly detection | Autoencoder | Cyber-security | Distributed energy resources | Neural networks | Photovoltaic systems

? Quartile:

2025:

? Control and Optimization (Q1, rank 6, percentile 96)

? Instrumentation (Q1, rank 12, percentile 93)

? Computer Networks and Communications (Q1, rank 61, percentile 88)

2020:

? Instrumentation (Q1, rank 8, percentile 94)

? Control and Optimization (Q1, rank 12, percentile 89)

? Computer Networks and Communications (Q1, rank 59, percentile 82)

? Source Id: 21100830709

? Author Ids: 57216708944;7403708681;7003430835;7004398165

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Gaggero G.B.

66.

? Title: Collective Awareness for Abnormality Detection in Connected Autonomous Vehicles

? Venue: IEEE Internet of Things Journal

? Year: 2020

? Type: Journal

? Subtype: Article

? Citations: 18

? Doi: 10.1109/Jiot.2020.2974680

? Scopus ID: 2-s2.0-85084924836

? eISSN: 23274662

? Volume: 7

? Issue: 5

? Pages: 3774-3789

? Authors: Kanapram Divya Thekke; Patrone Fabio; Marin-Plaza Pablo; Marchese Mario; Bodanese Eliane L.; Marcenaro Lucio; Gomez David Martin; Regazzoni Carlo

? Keywords: Abnormality detection | collective awareness (CA) | connected vehicles | 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)

2020:

? Hardware and Architecture (Q1, rank 2, percentile 99)

? Information Systems (Q1, rank 7, percentile 98)

? Computer Networks and Communications (Q1, rank 8, percentile 97)

? Computer Science Applications (Q1, rank 17, percentile 97)

? Signal Processing (Q1, rank 7, percentile 93)

? Source Id: 21100338350

? Author Ids: 57195512131;56536292600;57190806708;7004398165;6602283934;6603377664;57204878586;35513672400

? Authoraffiliationids:

60025153-60022109;60025153;60001741;60025153;60022109;60025153;60001741;60025153

? Corresponding: Kanapram D.T.

67.

? Title: UAV and Satellite Employment for the Internet of Things Use Case
? Venue: IEEE Aerospace Conference Proceedings
? Year: 2020
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 11
? Doi: 10.1109/Aero47225.2020.9172701
? Scopus ID: 2-s2.0-85092559710
? Issn: 1095323x
? Authors: Marchese Mario; Moheddine Ava; Patrone Fabio
? Quartile:
2025:
? Aerospace Engineering (Q3, rank 88, percentile 45)
? Space and Planetary Science (Q3, rank 67, percentile 35)
2020:
? Aerospace Engineering (Q3, rank 78, percentile 39)
? Space and Planetary Science (Q3, rank 70, percentile 28)
? Source Id: 75113
? Author Ids: 7004398165;57210886858;56536292600
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Marchese M.

68.

? Title: A Unified View to Machine Learning and Control for Measurement-based Equivalent Bandwidth
? Venue: 2020 16th International Conference on the Design of Reliable Communication Networks Drcn 2020
? Year: 2020
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/Drcn48652.2020.1570609737
? Scopus ID: 2-s2.0-85085481636
? Authors: Mongelli Maurizio; Muselli Marco; Marchese Mario
? Source Id: 21101012597
? Author Ids: 7005882346;7003496128;7004398165
? Authoraffiliationids: 60021199;60021199;60025153
? Corresponding: Mongelli M.

69.

? Title: Nanosatellite-5G integration in the millimeter wave domain: A full top-down approach
? Venue: IEEE Transactions on Mobile Computing
? Year: 2020
? Type: Journal
? Subtype: Article
? Citations: 43
? Doi: 10.1109/Tmc.2019.2897091
? Scopus ID: 2-s2.0-85078249094
? Issn: 15361233
? eISSN: 15580660
? Volume: 19
? Issue: 2
? Pages: 390-404
? Authors: Babich Fulvio; Comisso Massimiliano; Cuttin Alessandro; Marchese Mario;

Patrone Fabio

? Keywords: capture probability | contact graph routing | delay/disruption tolerant network | millimeter-wave | Nanosatellite-5G integration | uncoordinated access

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 60, percentile 94)

? Computer Networks and Communications (Q1, rank 36, percentile 93)

? Software (Q1, rank 40, percentile 92)

2020:

? Computer Networks and Communications (Q1, rank 15, percentile 95)

? Software (Q1, rank 21, percentile 94)

? Electrical and Electronic Engineering (Q1, rank 38, percentile 94)

? Source Id: 25038

? Author Ids: 7003613315;13908144400;57193646327;7004398165;56536292600

? Authoraffiliationids: 60018363;60018363;60018363;60025153;60025153

? Corresponding: Babich F.

70.

? Title: Glue Technologies for Space Systems: An Introduction to a New AESS Technical Panel

? Venue: IEEE Aerospace and Electronic Systems Magazine

? Year: 2020

? Type: Journal

? Subtype: Article

? Citations: 5

? Doi: 10.1109/Maes.2019.2959104

? Scopus ID: 2-s2.0-85082514793

? Issn: 08858985

? eISSN: 1557959X

? Volume: 35

? Issue: 1

? Pages: 46-54

? Authors: Sacchi Claudio; Schlegel Christian; Rossi Tommaso; Noble Michael; Ruggieri Marina; Cheung Kar Ming; Marchese Mario; Granelli Fabrizio; Popescu Vlad; Rice Michael; Murroni Maurizio; Conci Nicola

? Quartile:

2025:

? Aerospace Engineering (Q1, rank 19, percentile 88)

? Electrical and Electronic Engineering (Q1, rank 161, percentile 83)

? Space and Planetary Science (Q1, rank 20, percentile 81)

2020:

? Aerospace Engineering (Q1, rank 31, percentile 76)

? Electrical and Electronic Engineering (Q2, rank 247, percentile 64)

? Space and Planetary Science (Q2, rank 44, percentile 55)

? Source Id: 25993

? Author Ids: 56206655300;55368982000;56078804700;57216040137;7102391180;7402406630;7004398165;6701655006;35103143500;7202083837;7801550098;14832404400

? Authoraffiliationids: 60015986;124148431;60027509;60274455;124148431;60009037;60025153;60015986;112423060;60006832;60032259;60015986

? Corresponding: Sacchi C.

71.

? Title: Towards Increasing the LoRa Network Coverage: A Flying Gateway

? Venue: 2019 International Symposium on Advanced Electrical and Communication Technologies Isaect 2019

? Year: 2019

? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 7
? Doi: 10.1109/Isaect47714.2019.9069697
? Scopus ID: 2-s2.0-85084377455
? Authors: Marchese Mario; Moheddine Aya; Patrone Fabio
? Keywords: IoT | LoRa | LoRaWAN | satellite | UAV
? Source Id: 21100985351
? Author Ids: 7004398165;57210886858;56536292600
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Marchese M.

72.

? Title: Implementation details to reduce the latency of an SDN Statistical Fingerprint-Based IDS
? Venue: 2019 International Symposium on Advanced Electrical and Communication Technologies Isaect 2019
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Doi: 10.1109/Isaect47714.2019.9069714
? Scopus ID: 2-s2.0-85084375737
? Authors: Fausto Alessandro; Marchese Mario
? Keywords: Data Plane Development Kit | Intrusion Detection System (IDS) | OpenFlow | Ryu | Software Defined Networking (SDN)
? Source Id: 21100985351
? Author Ids: 57216708248;7004398165
? Authoraffiliationids: 60025153;60025153
? Corresponding: Fausto A.

73.

? Title: Neural network architecture to detect system faults / cyberattacks anomalies within a photovoltaic system connected to the grid
? Venue: 2019 International Symposium on Advanced Electrical and Communication Technologies Isaect 2019
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 7
? Doi: 10.1109/Isaect47714.2019.9069683
? Scopus ID: 2-s2.0-85084343224
? Authors: Gaggero Giovanni Battista; Rossi Mansueto; Girdinio Paola; Marchese Mario
? Keywords: anomaly detection | industrial systems | neural networks
? Source Id: 21100985351
? Author Ids: 57216708944;7403708681;7003430835;7004398165
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Gaggero G.B.

74.

? Title: UAV and IoT integration: A flying gateway
? Venue: 2019 26th IEEE International Conference on Electronics Circuits and Systems Icecs 2019
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 30

? Doi: 10.1109/Icecs46596.2019.8965135
? Scopus ID: 2-s2.0-85079158083
? Pages: 121-122
? Authors: Moheddine Aya; Patrone Fabio; Marchese Mario
? Keywords: Arduino | Gateway | IoT | Rak2245 | UAV
? Source Id: 21100944554
? Author Ids: 57210886858;56536292600;7004398165
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Moheddine A.

75.

? Title: Networking challenges for non-terrestrial networks exploitation in 5G
? Venue: IEEE 5g World Forum 5gwf 2019 Conference Proceedings
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 39
? Doi: 10.1109/5gwf.2019.8911669
? Scopus ID: 2-s2.0-85076813904
? Pages: 623-628
? Authors: Bacco Manlio; Davoli Franco; Giambene Giovanni; Gotta Alberto; Luglio Michele; Marchese Mario; Patrone Fabio; Roseti Cesare
? Keywords: Multi-path | Satellite-based hybrid backhaul | Smart gateway diversity | UAV/satellite 5G integration
? Source Id: 21100962470
? Author Ids: 57189197221;57220364548;7003750533;9846429300;7003570928;7004398165;56536292600;15127967700
? Authoraffiliationids: 60085207;60025153;60002838;60085207;60027509;60025153;60025153;60027509
? Corresponding: Bacco M.

76.

? Title: IoT and UAV integration in 5G hybrid terrestrial-satellite networks
? Venue: Sensors Switzerland
? Year: 2019
? Type: Journal
? Subtype: Article
? Citations: 117
? DOI: 10.3390/s19173704
? Scopus ID: 2-s2.0-85071745275
? Issn: 14248220
? Volume: 19
? Issue: 17
? Authors: Marchese Mario; Moheddine Aya; Patrone Fabio
? Keywords: 5G | IoT | Satellite communications | UAV
? 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: 7004398165;57210886858;56536292600
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Marchese M.

77.

? Title: Small satellites and CubeSats: Survey of structures, architectures, and protocols
? Venue: International Journal of Satellite Communications and Networking
? Year: 2019
? Type: Journal
? Subtype: Article
? Citations: 84
? DOI: 10.1002/sat.1277
? Scopus ID: 2-s2.0-85052965154
? Issn: 15420973
? eISSN: 15420981
? Volume: 37
? Issue: 4
? Pages: 343-359
? Authors: Davoli Franco; Kourogiorgas Charilaos; Marchese Mario; Panagopoulos Athanasios; Patrone Fabio
? Keywords: CubeSat | CubeSat architecture | CubeSat channel model | CubeSat communication protocols | CubeSat hardware components | CubeSat network
? Quartile:
2025:
? Media Technology (Q2, rank 21, percentile 72)
? Electrical and Electronic Engineering (Q2, rank 374, percentile 62)
2019:
? Media Technology (Q1, rank 11, percentile 85)
? Electrical and Electronic Engineering (Q2, rank 201, percentile 70)
? Source Id: 19924
? Author Ids: 57220364548;41761942100;7004398165;7004006343;56536292600
? Authoraffiliationids: 60025153-60103966;60002947;60025153;60002947;60025153
? Corresponding: Davoli F.

78.

? 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.

79.

? Title: IoT applications and services in space information networks

? Venue: IEEE Wireless Communications

? Year: 2019

? Type: Journal

? Subtype: Article

? Citations: 94

? Doi: 10.1109/Mwc.2019.1800297

? Scopus ID: 2-s2.0-85065041414

? Issn: 15361284

? eISSN: 15580687

? Volume: 26

? Issue: 2

? Pages: 31-37

? Authors: Bacco Manlio; Boero Luca; Cassara Pietro; Colucci Marco; Gotta Alberto; Marchese Mario; Patrone Fabio

? Quartile:

2025:

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

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

2019:

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

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

? Source Id: 18935

? Author Ids:

57189197221;57053089400;24767643400;57195469786;9846429300;7004398165;56536292600

? Authoraffiliationids:

108104493;108104493;108104493;108104493;108104493;60025153;60025153

? Corresponding: Bacco M.

80.

? Title: Dynamic Switch Migration in Distributed Software-Defined Networks to Achieve Controller Load Balance

? Venue: IEEE Journal on Selected Areas in Communications

? Year: 2019

? Type: Journal

? Subtype: Conference Paper

? Citations: 92

? Doi: 10.1109/Jsac.2019.2894237

? Scopus ID: 2-s2.0-85061630648

? Issn: 07338716

? eISSN: 15580008

? Volume: 37

? Issue: 3

? Pages: 515-529

? Authors: Xu Yang; Cello Marco; Wang I. Chih; Walid Anwar; Wilfong Gordon; Wen Charles H.P.; Marchese Mario; Chao Jonathan H.

? Keywords: distributed controllers | load balancing | Software-defined networking | switch migration

? Quartile:

2025:

? Computer Networks and Communications (Q1, rank 4, percentile 99)
? Electrical and Electronic Engineering (Q1, rank 8, percentile 99)
2019:
? Computer Networks and Communications (Q1, rank 2, percentile 99)
? Electrical and Electronic Engineering (Q1, rank 5, percentile 99)
? Source Id: 18902
? Author Ids: 57188652106;36025044100;57201054680;25723889900;6701752314;57201913600;7004398165;55663476300
? Authoraffiliationids:
60108318;60108318;60012370;60021378;60021378;60012370;60025153;122174403
? Corresponding: Xu Y.

81.

? Title: Flow Assignment in Multi-Core Network Processors
? Venue: Airo Springer Series
? Year: 2019
? Type: Book Series
? Subtype: Book Chapter
? Citations: 2
? Doi: 10.1007/978-3-030-34960-8_43
? Scopus ID: 2-s2.0-85107048873
? Issn: 25237047
? eISSN: 25237055
? Volume: 3
? Pages: 493-503
? Authors: Davoli Franco; Marchese Mario; Patrone Fabio
? Keywords: Load balancing | Network flow optimization | Virtual network functions
? Quartile:
2025:
? Control and Optimization (Q3, rank 121, percentile 31)
? Computational Mathematics (Q4, rank 169, percentile 18)
? Computer Science Applications (Q4, rank 820, percentile 16)
? Management Science and Operations Research (Q4, rank 194, percentile 12)
? Source Id: 21101047139
? Author Ids: 57220364548;7004398165;56536292600
? Authoraffiliationids: 60025153-60103966;60025153-60103966;60025153-60103966
? Corresponding: Davoli F.

82.

? Title: Detection and combining techniques for asynchronous random access with time diversity
? Venue: Scc 2017 11th International ITG Conference on Systems Communications and Coding
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 5
? Scopus ID: 2-s2.0-85084014126
? Authors: Clazzer Federico; L^;zaro Francisco; Liva Gianluigi; Marchese Mario
? Source Id: 21100932412
? Author Ids: 36185041900;57104946600;23566820300;7004398165
? Authoraffiliationids: 60007798;60007798;60007798;116607080
? Corresponding: Clazzer F.

83.

? Title: Exploiting satellite broadcast despite HTTPS
? Venue: Proceedings IEEE Global Communications Conference Globecom

? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Globecom38437.2019.9014011
? Scopus ID: 2-s2.0-85081966958
? Issn: 23340983
? eISSN: 25766813
? Authors: Fotiou Nikos; Siris Vasilios A.; Marchese Mario; Davoli Franco; Boero Luca; Polyzos George C.
? 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: 35931973300;35612920000;7004398165;57220364548;57053089400;7004703536
? Authoraffiliationids: 60227903;60227903;60025153;60025153;130859877;60227903
? Corresponding: Fotiou N.

84.

? Title: Statistical Fingerprint-Based IDS in SDN Architecture
? Venue: 2018 International Symposium on Performance Evaluation of Computer and Telecommunication Systems Spectra 2018
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Spectra.2018.8574140
? Scopus ID: 2-s2.0-85060314747
? Authors: Bigotto Francesco; Boero Luca; Marchese Mario; Zappatore Sandro
? Keywords: Flow Identification | Intrusion Detection System | Malware Detection | Software Defined Networking
? Source Id: 21100895644
? Author Ids: 57205439512;57053089400;7004398165;6602811400
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Bigotto F.

85.

? Title: Satellite Networking Integration in the 5G Ecosystem: Research Trends and Open Challenges
? Venue: IEEE Network
? Year: 2018
? Type: Journal
? Subtype: Article
? Citations: 130
? Doi: 10.1109/Mnet.2018.1800052
? Scopus ID: 2-s2.0-85054382434
? Issn: 08908044
? eISSN: 1558156X
? Volume: 32
? Issue: 5
? Pages: 9-15
? Authors: Boero Luca; Bruschi Roberto; Davoli Franco; Marchese Mario; Patrone Fabio
? Quartile:

2025:

- ? Hardware and Architecture (Q1, rank 11, percentile 95)
- ? Computer Networks and Communications (Q1, rank 31, percentile 94)
- ? Software (Q1, rank 37, percentile 92)
- ? Information Systems (Q1, rank 42, percentile 91)

2018:

- ? Hardware and Architecture (Q1, rank 2, percentile 99)
- ? Information Systems (Q1, rank 4, percentile 98)
- ? Computer Networks and Communications (Q1, rank 5, percentile 98)
- ? Software (Q1, rank 10, percentile 97)

? Source Id: 27239

? Author Ids: 57053089400;8555973600;57220364548;7004398165;56536292600

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

? Corresponding: Boero L.

86.

? Title: The impact of delay in software-defined integrated terrestrial-satellite networks

? Venue: China Communications

? Year: 2018

? Type: Journal

? Subtype: Article

? Citations: 29

? Doi: 10.1109/Cc.2018.8438270

? Scopus ID: 2-s2.0-85051869483

? Issn: 16735447

? Volume: 15

? Issue: 8

? Pages: 11-21

? Authors: Boero Luca; Marchese Mario; Patrone Fabio

? Keywords: delay estimation | Integrated terrestrial-satellite networks | software defined networking | software defined satellite networks

? Quartile:

2025:

- ? Electrical and Electronic Engineering (Q1, rank 217, percentile 78)
- ? Computer Networks and Communications (Q1, rank 127, percentile 76)

2018:

- ? Computer Networks and Communications (Q2, rank 88, percentile 70)
- ? Electrical and Electronic Engineering (Q2, rank 203, percentile 69)

? Source Id: 19700177325

? Author Ids: 57053089400;7004398165;56536292600

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Boero L.

87.

? Title: Enhancing contention resolution ALOHA using combining techniques

? Venue: IEEE Transactions on Communications

? Year: 2018

? Type: Journal

? Subtype: Article

? Citations: 56

? Doi: 10.1109/Tcomm.2017.2759264

? Scopus ID: 2-s2.0-85031785445

? Issn: 00906778

? Volume: 66

? Issue: 6

? Pages: 2576-2587
? Authors: Clazzer Federico; Kissling Christian; Marchese Mario
? Keywords: communication | Diversity methods | multiaccess communication | radio communication | satellite communication
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 45, percentile 95)
2018:
? Electrical and Electronic Engineering (Q1, rank 44, percentile 93)
? Source Id: 18931
? Author Ids: 36185041900;35585852100;7004398165
? Authoraffiliationids: 60007798;60018401;60025153
? Corresponding: Clazzer F.

88.

? Title: Energy-aware Routing Algorithm for DTN-Nanosatellite Networks
? Venue: Proceedings IEEE Global Communications Conference Globecom
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 8
? Doi: 10.1109/Glocom.2018.8647491
? Scopus ID: 2-s2.0-85063532504
? Issn: 23340983
? eISSN: 25766813
? Authors: Marchese Mario; Patrone Fabio
? 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: 7004398165;56536292600
? Authoraffiliationids: 60025153;60025153
? Corresponding: Marchese M.

89.

? Title: Statistical fingerprint-based ids in sdn architecture
? Venue: Simulation Series
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Spects.2018.8574140
? Scopus ID: 2-s2.0-85060050851
? Issn: 07359276
? Volume: 50
? Issue: 11
? Pages: 1-12
? Authors: Bigotto Francesco; Boero Luca; Marchese Mario; Zappatore Sandro
? Keywords: Flow Identification | Intrusion Detection System | Malware Detection | Software Defined Networking
? Quartile:
2025:
? Computer Networks and Communications (Q4, rank 535, percentile 2)

- ? Source Id: 12193
 ? Author Ids: 57205439512;57053089400;7004398165;6602811400
 ? Authoraffiliationids: 60025153;60025153;60025153;60025153
 ? Corresponding: Bigotto F.
90.
 ? Title: A Survey on Network Architectures and Applications for Nanosat and UAV Swarms
 ? Venue: Lecture Notes of the Institute for Computer Sciences Social Informatics and Telecommunications Engineering Lnicst
 ? Year: 2018
 ? Type: Book Series
 ? Subtype: Conference Paper
 ? Citations: 23
 ? Doi: 10.1007/978-3-319-76571-6_8
 ? Scopus ID: 2-s2.0-85043976241
 ? Issn: 18678211
 ? Volume: 231
 ? Pages: 75-85
 ? Authors: Bacco Manlio; Cassar[^] Pietro; Colucci Marco; Gotta Alberto; Marchese Mario; Patrone Fabio
 ? Keywords: FANET | Nanosatellite | Network architecture and application | UAV
 ? Quartile:
 2025:
 ? Computer Networks and Communications (Q4, rank 439, percentile 19)
 2018:
 ? Computer Networks and Communications (Q4, rank 241, percentile 18)
 ? Source Id: 21100220348
 ? Author Ids: 57189197221;24767643400;57195469786;9846429300;7004398165;56536292600
 ? Authoraffiliationids: 60021199;60021199;60021199;60021199;60025153;60025153
 ? Corresponding: Bacco M.
91.
 ? Title: DTN-based nanosatellite architecture and hot spot selection algorithm for remote areas connection
 ? Venue: IEEE Transactions on Vehicular Technology
 ? Year: 2018
 ? Type: Journal
 ? Subtype: Article
 ? Citations: 30
 ? Doi: 10.1109/Tvt.2017.2739298
 ? Scopus ID: 2-s2.0-85028453407
 ? Issn: 00189545
 ? Volume: 67
 ? Issue: 1
 ? Pages: 689-702
 ? Authors: Marchese Mario; Patrone Fabio; Cello Marco
 ? Keywords: Dtn | Nanosatellite communications | Remote areas connection | Satellite networks | TCP/IP
 ? Quartile:
 2025:
 ? Aerospace Engineering (Q1, rank 5, percentile 97)
 ? Electrical and Electronic Engineering (Q1, rank 63, percentile 93)
 ? Automotive Engineering (Q1, rank 9, percentile 93)
 ? Computer Networks and Communications (Q1, rank 38, percentile 93)
 2018:
 ? Aerospace Engineering (Q1, rank 3, percentile 97)

? Subject (Q1, rank 12, percentile 97)
? Automotive Engineering (Q1, rank 4, percentile 96)
? Electrical and Electronic Engineering (Q1, rank 56, percentile 91)
? Source Id: 17393
? Author Ids: 7004398165;56536292600;36025044100
? Authoraffiliationids: 60025153;60025153;60021378
? Corresponding: Marchese M.

92.

? Title: Support Vector Machine Meets Software Defined Networking in IDS Domain
? Venue: Proceedings of the 29th International Teletraffic Congress Itc 2017
? Year: 2017
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 47
? Doi: 10.23919/Itc.2017.8065806
? Scopus ID: 2-s2.0-85040226061
? Volume: 3
? Pages: 25-30
? Authors: Boero Luca; Marchese Mario; Zappatore Sandro
? Keywords: Intrusion Detection System | Machine Learning | Malware Detection |
Software Defined Networking
? Source Id: 21100795334
? Author Ids: 57053089400;7004398165;6602811400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Boero L.

93.

? Title: A theoretical analysis of buffer occupancy for Intermittently-Connected Networks
? Venue: Performance Evaluation
? Year: 2017
? Type: Journal
? Subtype: Article
? Citations: 10
? DOI: 10.1016/j.peva.2017.08.001
? Scopus ID: 2-s2.0-85028807758
? Issn: 01665316
? Volume: 115
? Pages: 108-131
? Authors: Boero L.; Cello M.; Gnecco G.; Marchese M.; Patrone F.; Sanguineti M.
? Keywords: Ad-hoc networks | Congestion control | Epidemic routing | Intermittently-Connected Networks | Markov chains
? Quartile:
2025:
? Modeling and Simulation (Q3, rank 196, percentile 48)
? Computer Networks and Communications (Q3, rank 293, percentile 46)
? Hardware and Architecture (Q3, rank 143, percentile 39)
? Software (Q3, rank 311, percentile 37)
2017:
? Modeling and Simulation (Q2, rank 74, percentile 71)
? Computer Networks and Communications (Q2, rank 95, percentile 66)
? Hardware and Architecture (Q2, rank 61, percentile 60)
? Software (Q2, rank 166, percentile 55)
? Source Id: 22313
? Author Ids: 57053089400;36025044100;22953696000;7004398165;56536292600;7003404992

? Authoraffiliationids: 60025153;60021378;60102060;60025153;60025153;60025153

? Corresponding: Boero L.

94.

? Title: Statistical fingerprint-based intrusion detection system (SF-IDS)

? Venue: International Journal of Communication Systems

? Year: 2017

? Type: Journal

? Subtype: Article

? Citations: 24

? DOI: 10.1002/dac.3225

? Scopus ID: 2-s2.0-84995387798

? Issn: 10745351

? eISSN: 10991131

? Volume: 30

? Issue: 10

? Authors: Boero Luca; Cello Marco; Marchese Mario; Mariconti Enrico; Naqash Talha; Zappatore Sandro

? Keywords: intrusion detection system, IP, machine learning, networking, statistical analysis

? Quartile:

2025:

? Electrical and Electronic Engineering (Q2, rank 309, percentile 69)

? Computer Networks and Communications (Q2, rank 171, percentile 68)

2017:

? Electrical and Electronic Engineering (Q1, rank 162, percentile 75)

? Computer Networks and Communications (Q2, rank 73, percentile 73)

? Source Id: 17964

? Author Ids: 57053089400;36025044100;7004398165;57189589235;55078238900;6602811400

? Authoraffiliationids: 60025153;60025153-60021378;60025153;60022148;60025153;60025153

? Corresponding: Boero L.

95.

? Title: BalCon: A distributed elastic SDN control via efficient switch migration

? Venue: Proceedings 2017 IEEE International Conference on Cloud Engineering Ic2e 2017

? Year: 2017

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 60

? Doi: 10.1109/Ic2e.2017.33

? Scopus ID: 2-s2.0-85020203740

? Pages: 40-50

? Authors: Cello Marco; Xu Yang; Walid Anwar; Wilfong Gordon; Chao H. Jonathan; Marchese Mario

? Keywords: distributed controllers | load balancing | multi-way partitioning | software-defined networking

? Source Id: 21100817612

? Author Ids: 36025044100;57188652106;25723889900;6701752314;55663476300;7004398165

? Authoraffiliationids: 60021378;60108318;60021378;60021378;60108318;60025153

? Corresponding: Cello M.

96.

? Title: A Source Routing Algorithm Based on CGR for DTN-Nanosatellite Networks

? Venue: Proceedings IEEE Global Communications Conference Globecom

? Year: 2017

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 13
? Doi: 10.1109/Glocom.2017.8255092
? Scopus ID: 2-s2.0-85046404054
? Issn: 23340983
? eISSN: 25766813
? Volume: 2018-January
? Pages: 1-6
? Authors: Marchese Mario; Patrone Fabio
? 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: 7004398165;56536292600
? Authoraffiliationids: 60025153;60025153
? Corresponding: Marchese M.

97.

? Title: BeaQoS: Load balancing and deadline management of queues in an OpenFlow SDN switch
? Venue: Computer Networks
? Year: 2016
? Type: Journal
? Subtype: Article
? Citations: 39
? DOI: 10.1016/j.comnet.2016.06.025
? Scopus ID: 2-s2.0-84976587772
? Issn: 13891286
? Volume: 106
? Pages: 161-170
? Authors: Boero L.; Cello M.; Garibotto C.; Marchese M.; Mongelli M.
? Keywords: OpenFlow | Packet loss | SDN | Traffic engineering
? Quartile:
2025:
? Computer Networks and Communications (Q1, rank 96, percentile 82)
2016:
? Computer Networks and Communications (Q1, rank 49, percentile 80)
? Source Id: 26811
? Author Ids: 57053089400;36025044100;57053502600;7004398165;7005882346
? Authoraffiliationids: 60025153;60021378;60025153;60025153;60021199
? Corresponding: Boero L.

98.

? Title: Smart probabilistic fingerprinting for WiFi-based indoor positioning with mobile devices
? Venue: Pervasive and Mobile Computing
? Year: 2016
? Type: Journal
? Subtype: Article
? Citations: 73
? DOI: 10.1016/j.pmcj.2016.02.001
? Scopus ID: 2-s2.0-84962144528
? Issn: 15741192
? Volume: 31

? Pages: 107-123
? Authors: Bisio Igor; Lavagetto Fabio; Marchese Mario; Sciarrone Andrea
? Keywords: Computational and energy efficiency | Indoor positioning | Smartphones | WiFi fingerprinting
? 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)
2016:
? Subject (Q1, rank 25, percentile 93)
? Subject (Q1, rank 7, percentile 81)
? Source Id: 3200147819
? Author Ids: 8546192900;7004136693;7004398165;36180166900
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Bisio I.

99.

? Title: Feeder-link outage prediction algorithms for SDN-based high-throughput satellite systems
? Venue: 2016 IEEE International Conference on Communications Icc 2016
? Year: 2016
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 19
? Doi: 10.1109/Icc.2016.7510736
? Scopus ID: 2-s2.0-84981305992
? Authors: Mongelli Maurizio; De Cola Tomaso; Cello Marco; Marchese Mario; Davoli Franco
? Source Id: 21100773789
? Author Ids: 7005882346;10739364500;36025044100;7004398165;57220364548
? Authoraffiliationids: 60021199;60007798;60021378;60025153;60025153
? Corresponding: Mongelli M.

100.

? Title: Smart transportation systems (STs) in critical conditions
? Venue: Smart Cities and Homes Key Enabling Technologies
? Year: 2016
? Type: Book
? Subtype: Book Chapter
? Citations: 7
? Doi: 10.1016/B978-0-12-803454-5.00014-6
? Scopus ID: 2-s2.0-84987892578
? Pages: 291-322
? Authors: Cello M.; Degano C.; Marchese M.; Podda F.
? Keywords: Quality of service | Smart technologies | Software-defined networking (SDN) | Transportation systems
? Source Id: 21100779051
? Author Ids: 36025044100;6602277633;7004398165;55978967400
? Authoraffiliationids: 60025153;101838253;60025153;101838253
? Corresponding: Cello M.

101.

? Title: Lp-Problem-based transmission rate allocation with packet loss and power metrics over satellite networks

? Venue: IEEE Transactions on Vehicular Technology
? Year: 2016
? Type: Journal
? Subtype: Article
? Citations: 8
? Doi: 10.1109/Tvt.2015.2447739
? Scopus ID: 2-s2.0-84971280260
? Issn: 00189545
? Volume: 65
? Issue: 5
? Pages: 3312-3325
? Authors: Bisio Igor; Delucchi Stefano; Lavagetto Fabio; Marchese Mario
? Keywords: Lp-problem-based Transmission Rate Allocation | Multi-Objective Programming
| Performance Analysis | Satellite Communications
? 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)
2016:
? Aerospace Engineering (Q1, rank 4, percentile 96)
? Subject (Q1, rank 16, percentile 96)
? Automotive Engineering (Q1, rank 5, percentile 93)
? Electrical and Electronic Engineering (Q1, rank 67, percentile 89)
? Source Id: 17393
? Author Ids: 8546192900;55694754400;7004136693;7004398165
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Bisio I.

102.

? Title: On the QoS Estimation in an OpenFlow Network: The Packet Loss Case
? Venue: IEEE Communications Letters
? Year: 2016
? Type: Journal
? Subtype: Article
? Citations: 13
? Doi: 10.1109/Lcomm.2016.2516537
? Scopus ID: 2-s2.0-84963549035
? Issn: 10897798
? Volume: 20
? Issue: 3
? Pages: 554-557
? Authors: Cello Marco; Marchese Mario; Mongelli Maurizio
? Keywords: neural estimation | OpenFlow | packet loss | SDN
? 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)
2016:
? Modeling and Simulation (Q1, rank 30, percentile 86)
? Electrical and Electronic Engineering (Q1, rank 122, percentile 81)
? Computer Science Applications (Q1, rank 125, percentile 76)
? Source Id: 18896

? Author Ids: 36025044100;7004398165;7005882346
? Authoraffiliationids: 60025153;60025153;60021199
? Corresponding: Cello M.

103.

? Title: Evolution of satellite communications: Integration of ETSI BSM and DVB-RCS for future satellite terminals
? Venue: International Journal of Satellite Communications and Networking
? Year: 2016
? Type: Journal
? Subtype: Article
? Citations: 1
? DOI: 10.1002/sat.1104
? Scopus ID: 2-s2.0-84956727128
? Issn: 15420973
? eISSN: 15420981
? Volume: 34
? Issue: 2
? Pages: 131-154
? Authors: De Cola Tomaso; Marchese Mario; Mongelli Maurizio
? Keywords: DVB-RCS/RCS2 | ETSI BSM | multicast | QoS/QoE | SI-SAP
? Quartile:
2025:
? Media Technology (Q2, rank 21, percentile 72)
? Electrical and Electronic Engineering (Q2, rank 374, percentile 62)
2016:
? Media Technology (Q1, rank 14, percentile 79)
? Electrical and Electronic Engineering (Q2, rank 236, percentile 63)
? Source Id: 19924
? Author Ids: 10739364500;7004398165;7005882346
? Authoraffiliationids: 60007798;60025153;60021199
? Corresponding: De Cola T.

104.

? Title: ColdSel: A selection algorithm to mitigate congestion situations over nanosatellite networks
? Venue: Proceedings IEEE Global Communications Conference Globecom
? Year: 2016
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 7
? Doi: 10.1109/Glocom.2016.7841670
? Scopus ID: 2-s2.0-85015393984
? Issn: 23340983
? eISSN: 25766813
? Authors: Cello Marco; Marchese Mario; Patrone Fabio
? 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: 36025044100;7004398165;56536292600
? Authoraffiliationids: 60021378-60025153;60025153;60025153
? Corresponding: Cello M.

105.

? Title: Research challenges in nanosatellite-DTN networks
? Venue: Lecture Notes of the Institute for Computer Sciences Social Informatics and Telecommunications Engineering Lnicst
? Year: 2016
? Type: Book Series
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.1007/978-3-319-47081-8_8
? Scopus ID: 2-s2.0-84996559034
? Issn: 18678211
? Volume: 148
? Pages: 89-93
? Authors: Cello Marco; Marchese Mario; Patrone Fabio
? Keywords: Congestion control | Delay tolerant network architecture | Nanosatellite network | Next-hop selection
? Quartile:
2025:
? Computer Networks and Communications (Q4, rank 439, percentile 19)
2016:
? Computer Networks and Communications (Q4, rank 204, percentile 17)
? Source Id: 21100220348
? Author Ids: 36025044100;7004398165;56536292600
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Cello M.

106.

? Title: Smartphones apps implementing a heuristic joint coding for video transmissions over mobile networks
? Venue: Lecture Notes of the Institute for Computer Sciences Social Informatics and Telecommunications Engineering Lnicst
? Year: 2016
? Type: Book Series
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1007/978-3-319-47081-8_12
? Scopus ID: 2-s2.0-84996489052
? Issn: 18678211
? Volume: 148
? Pages: 123-131
? Authors: Bisio Igor; Lavagetto Fabio; Luzzati Giulio; Marchese Mario
? Quartile:
2025:
? Computer Networks and Communications (Q4, rank 439, percentile 19)
2016:
? Computer Networks and Communications (Q4, rank 204, percentile 17)
? Source Id: 21100220348
? Author Ids: 8546192900;7004136693;55372214300;7004398165
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Bisio I.

107.

? Title: Extended future internet: An IP pervasive network including interplanetary communication?
? Venue: Lecture Notes of the Institute for Computer Sciences Social Informatics and Telecommunications Engineering Lnicst

- ? Year: 2016
 - ? Type: Book Series
 - ? Subtype: Conference Paper
 - ? Citations: 0
 - ? Doi: 10.1007/978-3-319-47081-8_2
 - ? Scopus ID: 2-s2.0-84996484186
 - ? Issn: 18678211
 - ? Volume: 148
 - ? Pages: 12-21
 - ? Authors: Marchese Mario
 - ? Keywords: Delay and Disruption Tolerant Networking (DTN) | Future internet | Internet | Pervasive communications | Satellite communications
 - ? Quartile:
 - 2025:
 - ? Computer Networks and Communications (Q4, rank 439, percentile 19)
 - 2016:
 - ? Computer Networks and Communications (Q4, rank 204, percentile 17)
 - ? Source Id: 21100220348
 - ? Author Ids: 7004398165
 - ? Authoraffiliationids: 60025153
 - ? Corresponding: Marchese M.
- 108.
- ? Title: Management of non-conformant traffic in OpenFlow environments
 - ? Venue: Proceedings of the 2015 International Symposium on Performance Evaluation of Computer and Telecommunication Systems Spects 2015 Part of Summersim 2015 Multiconference
 - ? Year: 2015
 - ? Type: Conference Proceeding
 - ? Subtype: Conference Paper
 - ? Citations: 3
 - ? Doi: 10.1109/Spectr.2015.7285293
 - ? Scopus ID: 2-s2.0-84992110517
 - ? Authors: Boero Luca; Cello Marco; Garibotto Chiara; Marchese Mario; Mongelli Maurizio
 - ? Keywords: Open Flow | Packet Loss | SDN | Traffic Engineering
 - ? Source Id: 21100782661
 - ? Author Ids: 57053089400;36025044100;57053502600;7004398165;7005882346
 - ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60021199
 - ? Corresponding: Boero L.
- 109.
- ? Title: SPECTRA: A SPEech proCessing plaTform as smaRtphone Application
 - ? Venue: IEEE International Conference on Communications
 - ? Year: 2015
 - ? Type: Conference Proceeding
 - ? Subtype: Conference Paper
 - ? Citations: 10
 - ? Doi: 10.1109/lcc.2015.7249447
 - ? Scopus ID: 2-s2.0-84953791815
 - ? Issn: 15503607
 - ? Volume: 2015-September
 - ? Pages: 7030-7035
 - ? Authors: Bisio Igor; Lavagetto Fabio; Marchese Mario; Sciarrone Andrea; Fra Cristina; Valla Massimo
 - ? Keywords: Android Apps | Multimedia Applications | Smartphones | Speech Signal Processing | Support Vector Machines

? Source Id: 33201
? Author Ids: 8546192900;7004136693;7004398165;36180166900;24399148800;24400344500
? Authoraffiliationids: 60025153;60025153;60025153;60025153;101970958;101970958
? Corresponding: Bisio I.

110.

? Title: Cooperative Application Layer Joint Coding and rate allocation techniques for video transmissions over satellite channels through smartphones
? Venue: IEEE International Conference on Communications
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/lcc.2015.7248430
? Scopus ID: 2-s2.0-84953751663
? Issn: 15503607
? Volume: 2015-September
? Pages: 862-866
? Authors: Bisio Igor; Delucchi Stefano; Lavagetto Fabio; Luzzati Giulio; Marchese Mario
? Keywords: Application Layer Joint Coding | Cooperative Techniques | Performance Evaluation | Satellite Networks | Transmission Rate Allocations
? Source Id: 33201
? Author Ids: 8546192900;55694754400;7004136693;55372214300;7004398165
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Bisio I.

111.

? Title: Hybrid simulated-emulated platform - HySEP
? Venue: Handbook of Research on Next Generation Mobile Communication Systems
? Year: 2015
? Type: Book
? Subtype: Book Chapter
? Citations: 0
? DOI: 10.4018/978-1-4666-8732-5.ch015
? Scopus ID: 2-s2.0-84958139783
? Pages: 380-409
? Authors: Bisio Igor; Delucchi Stefano; Lavagetto Fabio; Marchese Mario; Portomauro Giancarlo; Zappatore Sandro
? Source Id: 21100446332
? Author Ids: 8546192900;55694754400;7004136693;7004398165;15128054100;6602811400
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Bisio I.

112.

? Title: A smartphone-centric platform for remote health monitoring of heart failure
? Venue: International Journal of Communication Systems
? Year: 2015
? Type: Journal
? Subtype: Article
? Citations: 52
? DOI: 10.1002/dac.2778
? Scopus ID: 2-s2.0-84931575986
? Issn: 10745351
? eISSN: 10991131
? Volume: 28
? Issue: 11

? Pages: 1753-1771
? Authors: Bisio Igor; Lavagetto Fabio; Marchese Mario; Sciarrone Andrea
? Keywords: activity recognition | remote health monitoring | smartphones | wireless communications
? Quartile:
2025:
? Electrical and Electronic Engineering (Q2, rank 309, percentile 69)
? Computer Networks and Communications (Q2, rank 171, percentile 68)
2015:
? Electrical and Electronic Engineering (Q1, rank 134, percentile 79)
? Computer Networks and Communications (Q1, rank 53, percentile 77)
? Source Id: 17964
? Author Ids: 8546192900;7004136693;7004398165;36180166900
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Bisio I.

113.

? Title: An Ns-3 based simulative and emulative platform
? Venue: Modeling and Simulation of Computer Networks and Systems Methodologies and Applications
? Year: 2015
? Type: Book
? Subtype: Book Chapter
? Citations: 2
? Doi: 10.1016/B978-0-12-800887-4.00019-5
? Scopus ID: 2-s2.0-84940069625
? Pages: 555-575
? Authors: Bisio Igor; Delucchi Stefano; Lavagetto Fabio; Marchese Mario; Portomauro Giancarlo; Zappatore Sandro
? Keywords: Emulation | LTE | Quality of Service (QoS) | Simulation
? Source Id: 21100404889
? Author Ids: 8546192900;55694754400;7004136693;7004398165;15128054100;6602811400
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Bisio I.

114.

? Title: Contact graph routing in DTN space networks: Overview, enhancements and performance
? Venue: IEEE Communications Magazine
? Year: 2015
? Type: Journal
? Subtype: Article
? Citations: 261
? Doi: 10.1109/Mcom.2015.7060480
? Scopus ID: 2-s2.0-84925872900
? Issn: 01636804
? eISSN: 15581896
? Volume: 53
? Issue: 3
? Pages: 38-46
? Authors: Araniti Giuseppe; Bezirgiannidis Nikolaos; Birrane Edward; Bisio Igor; Burleigh Scott; Caini Carlo; Feldmann Marius; Marchese Mario; Segui John; Suzuki Kiyohisa
? Quartile:
2025:
? Computer Networks and Communications (Q1, rank 21, percentile 96)

? Electrical and Electronic Engineering (Q1, rank 46, percentile 95)
 ? Computer Science Applications (Q1, rank 63, percentile 93)
 2015:
 ? Computer Networks and Communications (Q1, rank 1, percentile 99)
 ? Electrical and Electronic Engineering (Q1, rank 6, percentile 99)
 ? Computer Science Applications (Q1, rank 5, percentile 99)
 ? Source Id: 17249
 ? Author Ids: 6603175144;36967869800;15831287600;8546192900;55885938100;6701493219;2472
 2750700;7004398165;15080884800;55846130700
 ? Authoraffiliationids: 60020167;60030988;60022054;60025153;60031581;60028218;60018353;
 60025153;60085980;60022990
 ? Corresponding: Araniti G.

115.

? Title: Narrowing the Search for Optimal Call-Admission Policies Via a Nonlinear
 Stochastic Knapsack Model
 ? Venue: Journal of Optimization Theory and Applications
 ? Year: 2015
 ? Type: Journal
 ? Subtype: Article
 ? Citations: 1
 ? DOI: 10.1007/s10957-014-0570-2
 ? Scopus ID: 2-s2.0-84924037518
 ? Issn: 00223239
 ? eISSN: 15732878
 ? Volume: 164
 ? Issue: 3
 ? Pages: 819-841
 ? Authors: Cello Marco; Gnecco Giorgio; Marchese Mario; Sanguineti Marcello
 ? Keywords: Call admission control | Coordinate-convex policies | Nonlinear constraints
 | Stochastic knapsack | Structural properties
 ? Quartile:
 2025:
 ? Control and Optimization (Q2, rank 80, percentile 55)
 ? Applied Mathematics (Q2, rank 308, percentile 54)
 ? Management Science and Operations Research (Q3, rank 143, percentile 35)
 2015:
 ? Applied Mathematics (Q2, rank 117, percentile 71)
 ? Control and Optimization (Q2, rank 21, percentile 65)
 ? Management Science and Operations Research (Q2, rank 50, percentile 61)
 ? Source Id: 23966
 ? Author Ids: 36025044100;22953696000;7004398165;7003404992
 ? Authoraffiliationids: 60025153;60102060-60121711;60025153;60121711
 ? Corresponding: Cello M.

116.

? Title: Surveying multidisciplinary aspects in real-time distributed coding for
 wireless sensor networks
 ? Venue: Sensors Switzerland
 ? Year: 2015
 ? Type: Journal
 ? Subtype: Article
 ? Citations: 8
 ? DOI: 10.3390/s150202737
 ? Scopus ID: 2-s2.0-84921900696
 ? Issn: 14248220

? Volume: 15
? Issue: 2
? Pages: 2737-2762
? Authors: Braccini Carlo; Davoli Franco; Marchese Mario; Mongelli Maurizio
? Keywords: Decision theory | Distributed coding | Optimization | Signal processing | Single-hop wireless sensor networks
? 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)
2015:
? Electrical and Electronic Engineering (Q1, rank 105, percentile 84)
? Atomic and Molecular Physics, and Optics (Q1, rank 31, percentile 80)
? Analytical Chemistry (Q2, rank 30, percentile 70)
? Biochemistry (Q2, rank 174, percentile 55)
? Source Id: 130124
? Author Ids: 7003400719;57220364548;7004398165;7005882346
? Authoraffiliationids: 60025153-60103966;60025153-60103966;60025153-60103966;60021199
? Corresponding: Braccini C.

117.

? Title: HotSel: A hot spot selection algorithm for internet access in rural areas through nanosatellite networks
? Venue: Proceedings IEEE Global Communications Conference Globecom
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 11
? Doi: 10.1109/Glocom.2014.7417202
? Scopus ID: 2-s2.0-84964853741
? Issn: 23340983
? eISSN: 25766813
? Authors: Cello Marco; Marchese Mario; Patrone Fabio
? 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: 36025044100;7004398165;56536292600
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Cello M.

118.

? Title: Management of non-conformant traffic in OpenFlow environments
? Venue: Simulation Series
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-84954092511

? Issn: 07359276
? Volume: 47
? Issue: 9
? Pages: 157-162
? Authors: Boero Luca; Cello Marco; Garibotto Chiara; Marchese Mario; Mongelli Maurizio
? Keywords: OpenFlow | Packet loss | SDN | Traffic engineering
? Quartile:
2025:
? Computer Networks and Communications (Q4, rank 535, percentile 2)
? Source Id: 12193
? Author Ids: 57053089400;36025044100;57053502600;7004398165;7005882346
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60021199
? Corresponding: Boero L.

119.

? Title: Smartphone-centric ambient assisted living platform for patients suffering from co-morbidities monitoring
? Venue: IEEE Communications Magazine
? Year: 2015
? Type: Journal
? Subtype: Article
? Citations: 53
? Doi: 10.1109/Mcom.2015.7010513
? Scopus ID: 2-s2.0-84921476752
? Issn: 01636804
? Volume: 53
? Issue: 1
? Pages: 34-41
? Authors: Bisio Igor; Lavagetto Fabio; Marchese Mario; Sciarrone Andrea
? Quartile:
2025:
? Computer Networks and Communications (Q1, rank 21, percentile 96)
? Electrical and Electronic Engineering (Q1, rank 46, percentile 95)
? Computer Science Applications (Q1, rank 63, percentile 93)
2015:
? Computer Networks and Communications (Q1, rank 1, percentile 99)
? Electrical and Electronic Engineering (Q1, rank 6, percentile 99)
? Computer Science Applications (Q1, rank 5, percentile 99)
? Source Id: 17249
? Author Ids: 8546192900;7004136693;7004398165;36180166900
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Bisio I.

120.

? Title: A television channel real-time detector using smartphones
? Venue: IEEE Transactions on Mobile Computing
? Year: 2015
? Type: Journal
? Subtype: Article
? Citations: 8
? Doi: 10.1109/Tmc.2013.79
? Scopus ID: 2-s2.0-84915749982
? Issn: 15361233
? Volume: 14
? Issue: 1
? Pages: 14-27

? Authors: Bisio Igor; Delfino Alessandro; Lavagetto Fabio; Marchese Mario
? Keywords: audience real-time detection | audio fingerprint | energy saving |
smartphone | TV channel recognition

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 60, percentile 94)
? Computer Networks and Communications (Q1, rank 36, percentile 93)
? Software (Q1, rank 40, percentile 92)

2015:

? Electrical and Electronic Engineering (Q1, rank 34, percentile 94)
? Computer Networks and Communications (Q1, rank 14, percentile 94)
? Software (Q1, rank 23, percentile 94)

? Source Id: 25038

? Author Ids: 8546192900;54890459700;7004136693;7004398165

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Bisio I.

121.

? Title: A heuristic attack method to PRH-based audio copy detectors

? Venue: IEEE Signal Processing Letters

? Year: 2014

? Type: Journal

? Subtype: Article

? Citations: 0

? Doi: 10.1109/Lsp.2014.2363592

? Scopus ID: 2-s2.0-84908665609

? Issn: 10709908

? Volume: 22

? Issue: 5

? Pages: 564-568

? Authors: Bisio Igor; Braccini Carlo; Delfino Alessandro; Lavagetto Fabio; Marchese Mario

? Keywords: Adversarial signal processing | audio fingerprint | copy detection attack |
Copyright protection

? 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)

2014:

? Applied Mathematics (Q1, rank 48, percentile 88)
? Electrical and Electronic Engineering (Q1, rank 110, percentile 83)
? Signal Processing (Q1, rank 17, percentile 79)

? Source Id: 17316

? Author Ids: 8546192900;7003400719;54890459700;7004136693;7004398165

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

? Corresponding: Bisio I.

122.

? Title: Transmission rate allocation over satellite networks with quality of
experience - Based performance metrics

? Venue: 2014 7th Advanced Satellite Multimedia Systems Conference and the 13th Signal
Processing for Space Communications Workshop Asms Spsc 2014

? Year: 2014

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 5
? Doi: 10.1109/Asms-Spsc.2014.6934576
? Scopus ID: 2-s2.0-84984879029
? Volume: 2014-January
? Pages: 419-423
? Authors: Bisio Igor; Delucchi Stefano; Lavagetto Fabio; Marchese Mario
? Keywords: MOP theory | Power management | Quality of experience | Resource allocation
| Satellite network
? Source Id: 21100777298
? Author Ids: 8546192900;55694754400;7004136693;7004398165
? Corresponding: Bisio I.

123.

? Title: Hot spot selection in rural access nanosatellite networks
? Venue: Chants 2014 Proceedings of the 9th ACM Mobicom Workshop on Challenged Networks
? Year: 2014
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 5
? Doi: 10.1145/2645672.2645687
? Scopus ID: 2-s2.0-84924054728
? Pages: 69-72
? Authors: Cello Marco; Marchese Mario; Patrone Fabio
? Keywords: Congestion control | Delay tolerant networking | Nanosatellite | Next-hop
selection
? Source Id: 21100376811
? Author Ids: 36025044100;7004398165;56536292600
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Cello M.

124.

? Title: A Trainingless WiFi fingerprint positioning approach over mobile devices
? Venue: IEEE Antennas and Wireless Propagation Letters
? Year: 2014
? Type: Journal
? Subtype: Article
? Citations: 89
? Doi: 10.1109/Lawp.2014.2316973
? Scopus ID: 2-s2.0-85018961542
? Issn: 15361225
? Volume: 13
? Pages: 832-835
? Authors: Bisio Igor; Cerruti Matteo; Lavagetto Fabio; Marchese Mario; Pastorino
Matteo; Randazzo Andrea; Sciarrone Andrea
? Keywords: Electromagnetic propagation | fingerprinting | finite-difference time-
domain method | indoor positioning
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 180, percentile 82)
2014:
? Electrical and Electronic Engineering (Q1, rank 89, percentile 86)
? Source Id: 18894
? Author Ids:
8546192900;56166539200;7004136693;7004398165;7004880389;7006280562;36180166900
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Bisio I.

125.

? Title: Comparison of situation awareness algorithms for remote health monitoring with smartphones
? Venue: Proceedings IEEE Global Communications Conference Globecom
? Year: 2014
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 14
? Doi: 10.1109/Glocom.2014.7037176
? Scopus ID: 2-s2.0-84949923425
? Issn: 23340983
? eISSN: 25766813
? Pages: 2454-2459
? Authors: Bisio Igor; Lavagetto Fabio; Marchese Mario; Sciarrone Andrea
? Keywords: Remote Health Monitoring | Situation Awareness Algorithms | Smartphones
? Quartile:
2025:
? Signal Processing (Q2, rank 90, percentile 54)
? Computer Networks and Communications (Q2, rank 260, percentile 52)
? Artificial Intelligence (Q3, rank 262, percentile 47)
? Hardware and Architecture (Q3, rank 129, percentile 45)
? Source Id: 21101199922
? Author Ids: 8546192900;7004136693;7004398165;36180166900
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Bisio I.

126.

? Title: Smartphones apps implementing a heuristic joint coding for video transmissions over mobile networks
? Venue: Mobile Networks and Applications
? Year: 2014
? Type: Journal
? Subtype: Article
? Citations: 9
? DOI: 10.1007/s11036-014-0519-6
? Scopus ID: 2-s2.0-84907365638
? Issn: 1383469x
? Volume: 19
? Issue: 4
? Pages: 552-562
? Authors: Bisio Igor; Lavagetto Fabio; Luzzati Giulio; Marchese Mario
? Keywords: Heuristic application layer joint coding | Mobile networks | Smartphone Apps
? Quartile:
2025:
? Computer Networks and Communications (Q1, rank 111, percentile 79)
? Software (Q1, rank 106, percentile 78)
? Hardware and Architecture (Q1, rank 51, percentile 78)
? Information Systems (Q1, rank 111, percentile 77)
2014:
? Hardware and Architecture (Q1, rank 22, percentile 84)
? Computer Networks and Communications (Q1, rank 39, percentile 82)
? Information Systems (Q1, rank 47, percentile 79)
? Software (Q1, rank 78, percentile 79)
? Source Id: 27306

? Author Ids: 8546192900;7004136693;55372214300;7004398165

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Bisio I.

127.

? Title: Traffic-aware clustering and VM migration in distributed data center

? Venue: Dcc 2014 Proceedings of the ACM SIGCOMM 2014 Workshop on Distributed Cloud Computing

? Year: 2014

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 3

? Doi: 10.1145/2627566.2627582

? Scopus ID: 2-s2.0-84907363097

? Pages: 41

? Authors: Cello Marco; Xi Kang; Chao Jonathan H.; Marchese Mario

? Keywords: cloud computing | congestion control | data center | VM placement

? Source Id: 21100334882

? Author Ids: 36025044100;8552741000;55663476300;7004398165

? Authoraffiliationids: 60025153;60108318;60108318;60025153

? Corresponding: Cello M.

128.

? Title: Dynamic multi-attribute Network Selection algorithm for Vertical Handover procedures over mobile ad hoc networks

? Venue: 2014 IEEE International Conference on Communications Icc 2014

? Year: 2014

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 19

? Doi: 10.1109/Icc.2014.6883342

? Scopus ID: 2-s2.0-84907000337

? Pages: 342-347

? Authors: Bisio Igor; Braccini Carlo; Delucchi Stefano; Lavagetto Fabio; Marchese Mario

? Keywords: Mobile Ad Hoc Networks | Multi Attribute Decision Making | Network Selection | Vertical Handover

? Source Id: 21100333601

? Author Ids: 8546192900;7003400719;55694754400;7004136693;7004398165

? Corresponding: Bisio I.

129.

? Title: Performance evaluation of application layer joint coding for video transmission with smartphones over terrestrial/satellite emergency networks

? Venue: 2014 IEEE International Conference on Communications Icc 2014

? Year: 2014

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 4

? Doi: 10.1109/Icc.2014.6883879

? Scopus ID: 2-s2.0-84906996499

? Pages: 3594-3599

? Authors: Bisio Igor; Grattarola Aldo; Lavagetto Fabio; Luzzati Giulio; Marchese Mario

? Source Id: 21100333601

? Author Ids: 8546192900;6603286614;7004136693;55372214300;7004398165

? Corresponding: Bisio I.

130.

- ? Title: QoS and QoE evaluation of Web-browsing over an SI-SAP-enabled DVB-S2/RCS system
 ? Venue: Eucnc 2014 European Conference on Networks and Communications
 ? Year: 2014
 ? Type: Conference Proceeding
 ? Subtype: Conference Paper
 ? Citations: 0
 ? DOI: 10.1109/EuCNC.2014.6882680
 ? Scopus ID: 2-s2.0-84906971775
 ? Authors: De Cola Tomaso; Marchese Mario; Cello Marco; Mongelli Maurizio
 ? Keywords: DVB-RCS | ETSI BSM | MOS | QoS | SI-SAP
 ? Source Id: 21100332604
 ? Author Ids: 10739364500;7004398165;36025044100;7005882346
 ? Authoraffiliationids: 60007798;60025153;60025153;60021199
 ? Corresponding: De Cola T.
131.
 ? Title: Welcome to SPECTS 2014 conference from the general chairs
 ? Venue: Proceedings of the 2014 International Symposium on Performance Evaluation of Computer and Telecommunication Systems Spects 2014 Part of Summersim 2014 Multiconference
 ? Year: 2014
 ? Type: Conference Proceeding
 ? Subtype: Editorial
 ? Citations: 0
 ? Doi: 10.1109/Spects.2014.6880010
 ? Scopus ID: 2-s2.0-84906773365
 ? Authors: Marchese Mario; Obaidat Mohammad S.
 ? Source Id: 21100332233
 ? Author Ids: 7004398165;7005628795
 ? Corresponding: Marchese M.
132.
 ? Title: Hybrid simulated-emulated platform for heterogeneous access networks performance investigations
 ? Venue: Proceedings of the 2014 International Symposium on Performance Evaluation of Computer and Telecommunication Systems Spects 2014 Part of Summersim 2014 Multiconference
 ? Year: 2014
 ? Type: Conference Proceeding
 ? Subtype: Conference Paper
 ? Citations: 2
 ? Doi: 10.1109/Spects.2014.6880009
 ? Scopus ID: 2-s2.0-84906766559
 ? Pages: 670-675
 ? Authors: Bisio Igor; Delfino Alessandro; Delucchi Stefano; Lavagetto Fabio; Marchese Mario; Portormauro Giancarlo; Zappatore Sandro
 ? Keywords: Heterogeneous Access Networks | Hybrid Real-Simulated Network | ns-3 | Performance Investigation | Quality of Service
 ? Source Id: 21100332233
 ? Author Ids: 8546192900;54890459700;55694754400;7004136693;7004398165;56342648700;6602811400
 ? Corresponding: Bisio I.
133.
 ? Title: Layer 3 throughput analysis for advanced ALOHA protocols
 ? Venue: 2014 IEEE International Conference on Communications Workshops Icc 2014

? Year: 2014
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.1109/lccw.2014.6881253
? Scopus ID: 2-s2.0-84906748885
? Pages: 533-538
? Authors: Clazzer Federico; Marchese Mario
? Source Id: 21100332227
? Author Ids: 36185041900;7004398165
? Authoraffiliationids: 60007798;113086089
? Corresponding: Clazzer F.

134.

? Title: The concept of fairness: Definitions and use in bandwidth allocation applied to satellite environment
? Venue: IEEE Aerospace and Electronic Systems Magazine
? Year: 2014
? Type: Journal
? Subtype: Article
? Citations: 14
? Doi: 10.1109/Maes.2014.6805361
? Scopus ID: 2-s2.0-84902304758
? Issn: 08858985
? Volume: 29
? Issue: 3
? Pages: 8-14
? Authors: Bisio Igor; Marchese Mario
? Quartile:
2025:
? Aerospace Engineering (Q1, rank 19, percentile 88)
? Electrical and Electronic Engineering (Q1, rank 161, percentile 83)
? Space and Planetary Science (Q1, rank 20, percentile 81)
2014:
? Aerospace Engineering (Q2, rank 37, percentile 65)
? Electrical and Electronic Engineering (Q2, rank 265, percentile 59)
? Space and Planetary Science (Q3, rank 50, percentile 35)
? Source Id: 25993
? Author Ids: 8546192900;7004398165
? Authoraffiliationids: 60025153;60025153
? Corresponding: Bisio I.

135.

? Title: Evaluation of the average packet delivery delay in highly-disrupted networks: The DTN and IP-like protocol cases
? Venue: IEEE Communications Letters
? Year: 2014
? Type: Journal
? Subtype: Article
? Citations: 10
? Doi: 10.1109/Lcomm.2014.011314.132522
? Scopus ID: 2-s2.0-84898678317
? Issn: 10897798
? Volume: 18
? Issue: 3
? Pages: 519-522

? Authors: Cello Marco; Gnecco Giorgio; Marchese Mario; Sanguineti Marcello
? Keywords: Intermittently-connected networks | IP networks | Markov chains | store-and-forward mechanism
? 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)
2014:
? Modeling and Simulation (Q1, rank 38, percentile 82)
? Electrical and Electronic Engineering (Q1, rank 126, percentile 80)
? Computer Science Applications (Q1, rank 113, percentile 77)
? Source Id: 18896
? Author Ids: 36025044100;22953696000;7004398165;7003404992
? Authoraffiliationids: 60108318;60102060-60025153;60025153;60025153
? Corresponding: Cello M.

136.

? Title: Gender-driven emotion recognition through speech signals for ambient intelligence applications
? Venue: IEEE Transactions on Emerging Topics in Computing
? Year: 2013
? Type: Journal
? Subtype: Article
? Citations: 76
? Doi: 10.1109/Tetc.2013.2274797
? Scopus ID: 2-s2.0-84944069947
? eISSN: 21686750
? Volume: 1
? Issue: 2
? Pages: 244-257
? Authors: Bisio Igor; Delfino Alessandro; Lavagetto Fabio; Marchese Mario; Sciarrone Andrea
? Keywords: Emotion recognition | Gender recognition | Human-computer intelligent interaction | Pitch estimation | Support vector machine
? Quartile:
2025:
? Computer Science (miscellaneous) (Q1, rank 14, percentile 92)
? Computer Science Applications (Q1, rank 100, percentile 89)
? Information Systems (Q1, rank 52, percentile 89)
? Human-Computer Interaction (Q1, rank 25, percentile 87)
? Source Id: 21100338508
? Author Ids: 8546192900;54890459700;7004136693;7004398165;36180166900
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Bisio I.

137.

? Title: Opportunistic detection methods for emotion-aware smartphone applications
? Venue: Creating Personal Social and Urban Awareness Through Pervasive Computing
? Year: 2013
? Type: Book
? Subtype: Book Chapter
? Citations: 8
? DOI: 10.4018/978-1-4666-4695-7.ch003
? Scopus ID: 2-s2.0-84956759027
? Pages: 53-85

? Authors: Bisio Igor; Delfino Alessandro; Lavagetto Fabio; Marchese Mario
? Source Id: 21100442343
? Author Ids: 8546192900;54890459700;7004136693;7004398165
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Bisio I.

138.

? Title: Performance comparison of a probabilistic fingerprint-based indoor positioning system over different smartphones
? Venue: Proceedings of the 2013 International Symposium on Performance Evaluation of Computer and Telecommunication Systems Spects 2013 Part of Summersim 2013 Multiconference
? Year: 2013
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 29
? Scopus ID: 2-s2.0-84884790366
? Pages: 161-166
? Authors: Bisio Igor; Lavagetto Fabio; Marchese Mario; Sciarrone Andrea
? Keywords: Indoor Positioning | Performance Comparison | Smartphone | WiFi-Fingerprinting
? Source Id: 21100258919
? Author Ids: 8546192900;7004136693;7004398165;36180166900
? Authoraffiliationids: 113360839;113360839;113360839;113360839
? Corresponding: Bisio I.

139.

? Title: Simulative performance comparison of network selection algorithms in the framework of the 802.21 standard
? Venue: Proceedings of the 2013 International Symposium on Performance Evaluation of Computer and Telecommunication Systems Spects 2013 Part of Summersim 2013 Multiconference
? Year: 2013
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Scopus ID: 2-s2.0-84884776004
? Pages: 174-181
? Authors: Bisio Igor; Delucchi Stefano; Lavagetto Fabio; Marchese Mario
? Keywords: IEEE 802.21 Standard | Mobile communications | Multi-attribute Algorithms | Network Selection | ns-2 | Performance Comparison
? Source Id: 21100258919
? Author Ids: 8546192900;55694754400;7004136693;7004398165
? Corresponding: Bisio I.

140.

? Title: Fast audio fingerprint comparison for real-time TV-channel recognition applications
? Venue: 2013 9th International Wireless Communications and Mobile Computing Conference Iwcmc 2013
? Year: 2013
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.1109/Iwcmc.2013.6583641
? Scopus ID: 2-s2.0-84883669681
? Pages: 694-699

? Authors: Bisio Igor; Delfino Alessandro; Lavagetto Fabio; Marchese Mario; Fr^i
Cristina; Valla Massimo
? Source Id: 21100256920
? Author Ids: 8546192900;54890459700;7004136693;7004398165;24399148800;24400344500
? Authoraffiliationids: 60025153;60025153;60025153;60025153;106060169;106060169
? Corresponding: Bisio I.

141.

? Title: Simulative performance comparison of network selection algorithms in the
framework of the 802.21 standard
? Venue: Simulation Series
? Year: 2013
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-84880538088
? Issn: 07359276
? Volume: 45
? Issue: 9
? Pages: 174-181
? Authors: Bisio Igor; Delucchi Stefano; Lavagetto Fabio; Marchese Mario
? Keywords: Ieee 802.21 Standard | Mobile communications | Multi-attribute algorithms |
Network selection | Ns-2 | Performance comparison
? Quartile:
2025:
? Computer Networks and Communications (Q4, rank 535, percentile 2)
? Source Id: 12193
? Author Ids: 8546192900;55694754400;7004136693;7004398165
? Corresponding: Bisio I.

142.

? Title: GPS/HPS-and Wi-fi fingerprint-based location recognition for check-in
applications over smartphones in cloud-based LBSs
? Venue: IEEE Transactions on Multimedia
? Year: 2013
? Type: Journal
? Subtype: Article
? Citations: 63
? Doi: 10.1109/Tmm.2013.2239631
? Scopus ID: 2-s2.0-84877893503
? Issn: 15209210
? Volume: 15
? Issue: 4
? Pages: 858-869
? Authors: Bisio Igor; Lavagetto Fabio; Marchese Mario; Sciarrone Andrea
? Keywords: Check-in applications | cloud computing | GPS/HPS receivers | smartphone
terminals | Wi-Fi fingerprint
? 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)
2013:
? Media Technology (Q1, rank 3, percentile 95)
? Electrical and Electronic Engineering (Q1, rank 69, percentile 89)

- ? Computer Science Applications (Q1, rank 62, percentile 87)
? Signal Processing (Q1, rank 11, percentile 86)
? Source Id: 16211
? Author Ids: 8546192900;7004136693;7004398165;36180166900
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Bisio I.
143.
? Title: Energy efficient WiFi-based fingerprinting for indoor positioning with smartphones
? Venue: 2013 IEEE Globecom Workshops GC Wkshps 2013
? Year: 2013
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 36
? Doi: 10.1109/Glocomw.2013.6855683
? Scopus ID: 2-s2.0-84928606872
? Pages: 4639-4643
? Authors: Bisio Igor; Lavagetto Fabio; Marchese Mario; Sciarrone Andrea
? Keywords: Energy efficiently | Indoor positioning | Smartphones | WiFi-fingerprinting
? Source Id: 21100320671
? Author Ids: 8546192900;7004136693;7004398165;36180166900
? Authoraffiliationids: 113086089;113086089;113086089;113086089
? Corresponding: Bisio I.
144.
? Title: Comparison among resource allocation methods with packet loss and power metrics in geostationary satellite scenarios
? Venue: IEEE International Conference on Communications
? Year: 2013
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 12
? Doi: 10.1109/lcc.2013.6655235
? Scopus ID: 2-s2.0-84891359466
? Issn: 15503607
? Pages: 4271-4275
? Authors: Bisio Igor; Delucchi Stefano; Lavagetto Fabio; Marchese Mario
? Keywords: Capacity Maximisation Allocation | Multi-Objective Programming | Performance Comparison | Power Minimisation Allocation | Satellite Communications
? Source Id: 33201
? Author Ids: 8546192900;55694754400;7004136693;7004398165
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Bisio I.
145.
? Title: Optimality conditions for coordinate-convex policies in CAC with nonlinear feasibility boundaries
? Venue: IEEE ACM Transactions on Networking
? Year: 2013
? Type: Journal
? Subtype: Article
? Citations: 5
? Doi: 10.1109/Tnet.2012.2222924
? Scopus ID: 2-s2.0-84887101871
? Issn: 10636692
? Volume: 21

- ? Issue: 5
 - ? Pages: 1363-1377
 - ? Authors: Cello Marco; Gnecco Giorgio; Marchese Mario; Sanguineti Marcello
 - ? Keywords: Call Admission Control (CAC) | Combinatorial optimization | Coordinate-Convex (CC) policies | Feasibility region | Nonlinear constraints | Stochastic Knapsack problem
 - ? Quartile:
 - 2013:
 - ? Electrical and Electronic Engineering (Q1, rank 44, percentile 93)
 - ? Computer Science Applications (Q1, rank 36, percentile 92)
 - ? Software (Q1, rank 36, percentile 90)
 - ? Computer Networks and Communications (Q1, rank 21, percentile 90)
 - ? Source Id: 27237
 - ? Author Ids: 36025044100;22953696000;7004398165;7003404992
 - ? Authoraffiliationids: 60025153;60025153;60025153;60025153
 - ? Corresponding: Cello M.
- 146.
- ? Title: Trainingless fingerprinting-based indoor positioning algorithms with smartphones using electromagnetic propagation models
 - ? Venue: Ist 2012 2012 IEEE International Conference on Imaging Systems and Techniques Proceedings
 - ? Year: 2012
 - ? Type: Conference Proceeding
 - ? Subtype: Conference Paper
 - ? Citations: 8
 - ? Doi: 10.1109/Ist.2012.6295537
 - ? Scopus ID: 2-s2.0-84870666077
 - ? Pages: 190-194
 - ? Authors: Bisio Igor; Lavagetto Fabio; Marchese Mario; Pastorino Matteo; Randazzo Andrea
 - ? Keywords: Electromagnetic propagation | Smartphone terminals | WI-Fi Signals Fingerprint
 - ? Source Id: 21100222924
 - ? Author Ids: 8546192900;7004136693;7004398165;7004880389;7006280562
 - ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
 - ? Corresponding: Bisio I.
- 147.
- ? Title: Opportunistic estimation of television audience through smartphones
 - ? Venue: Simulation Series
 - ? Year: 2012
 - ? Type: Conference Proceeding
 - ? Subtype: Conference Paper
 - ? Citations: 0
 - ? Scopus ID: 2-s2.0-84870504958
 - ? Issn: 07359276
 - ? Volume: 44
 - ? Issue: Book 12
 - ? Pages: 164-168
 - ? Authors: Bisio Igor; Delfino Alessandro; Luzzati Giulio; Lavagetto Fabio; Marchese Mario; Fr^ Cristina; Valla Massimo
 - ? Quartile:
 - 2025:
 - ? Computer Networks and Communications (Q4, rank 535, percentile 2)
 - ? Source Id: 12193

? Author Ids:
8546192900;54890459700;55372214300;7004136693;7004398165;24399148800;24400344500
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60023916;60023916
? Corresponding: Bisio I.

148.

? Title: An application to two-hop forwarding of a model of buffer occupancy in ICNs
? Venue: Proceedings 2012 7th International Conference on System of Systems Engineering
Sose 2012
? Year: 2012
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? DOI: 10.1109/SYSoSE.2012.6384188
? Scopus ID: 2-s2.0-84879767497
? Pages: 491-496
? Authors: Cello Marco; Gnecco Giorgio; Marchese Mario; Sanguineti Marcello
? Keywords: ad-hoc networks | congestion control | epidemic routing | Intermittently-
connected networks | Markov chains
? Source Id: 21100220364
? Author Ids: 36025044100;22953696000;7004398165;7003404992
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Cello M.

149.

? Title: Smartphone-based automatic place recognition with Wi-Fi signals for location-
aware services
? Venue: IEEE International Conference on Communications
? Year: 2012
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 6
? Doi: 10.1109/lcc.2012.6363942
? Scopus ID: 2-s2.0-84871965321
? Issn: 15503607
? Pages: 4943-4948
? Authors: Bisio Igor; Pan Roberto Lan Cian; Lavagetto Fabio; Marchese Mario; Sciarrone
Andrea; Fr[^] Cristina; Valla Massimo
? Keywords: GPS/HPS receivers | Performance Evaluation | Smartphone terminals | Wi-Fi
Signals Fingerprint
? Source Id: 33201
? Author Ids:
8546192900;36198706200;7004136693;7004398165;36180166900;24399148800;24400344500
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60023916;60023916
? Corresponding: Bisio I.

150.

? Title: Opportunistic estimation of television audience through smartphones
? Venue: Proceedings of the 2012 International Symposium on Performance Evaluation of
Computer and Telecommunication Systems Spects 12 Part of Summersim 2012 Multiconference
? Year: 2012
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 11
? Scopus ID: 2-s2.0-84867032738
? Authors: Bisio Igor; Delfino Alessandro; Luzzati Giulio; Lavagetto Fabio; Marchese
Mario; Fr[^] Cristina; Valla Massimo

? Source Id: 21100216999

? Author Ids:

8546192900;54890459700;55372214300;7004136693;7004398165;24399148800;24400344500

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60023916;60023916

? Corresponding: Bisio I.

151.

? Title: Non-linear coding decoding strategies exploiting spatial correlation in wireless sensor networks

? Venue: Iet Communications

? Year: 2012

? Type: Journal

? Subtype: Article

? Citations: 14

? DOI: 10.1049/iet-com.2011.0799

? Scopus ID: 2-s2.0-84868656078

? Issn: 17518628

? Volume: 6

? Issue: 14

? Pages: 2198-2207

? Authors: Davoli F.; Marchese M.; Mongelli M.

? Quartile:

2025:

? Electrical and Electronic Engineering (Q2, rank 286, percentile 71)

? Computer Science Applications (Q2, rank 321, percentile 67)

2012:

? Electrical and Electronic Engineering (Q2, rank 237, percentile 61)

? Computer Science Applications (Q2, rank 212, percentile 54)

? Source Id: 5300152202

? Author Ids: 57220364548;7004398165;7005882346

? Authoraffiliationids: 60025153;60025153;60021199

? Corresponding: Davoli F.

152.

? Title: Smartphone-based user activity recognition method for health remote monitoring applications

? Venue: Peccs 2012 Proceedings of the 2nd International Conference on Pervasive Embedded Computing and Communication Systems

? Year: 2012

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 30

? Scopus ID: 2-s2.0-84862123393

? Pages: 200-205

? Authors: Bisio Igor; Lavagetto Fabio; Marchese Mario; Sciarrone Andrea

? Keywords: Accelerometer | Activity recognition | Android smartphones | Decision trees | Remote monitoring | Windowed decision

? Source Id: 21100203710

? Author Ids: 8546192900;7004136693;7004398165;36180166900

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Bisio I.

153.

? Title: A model of buffer occupancy for ICNs

? Venue: IEEE Communications Letters

? Year: 2012

? Type: Journal

? Subtype: Article
? Citations: 15
? Doi: 10.1109/Lcomm.2012.042312.120369
? Scopus ID: 2-s2.0-84862563799
? Issn: 10897798
? Volume: 16
? Issue: 6
? Pages: 862-865
? Authors: Cello Marco; Gnecco Giorgio; Marchese Mario; Sanguineti Marcello
? Keywords: ad-hoc networks | congestion control | epidemic routing | Intermittently connected networks | Markov chains
? 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)
2012:
? Electrical and Electronic Engineering (Q2, rank 158, percentile 74)
? Modeling and Simulation (Q2, rank 58, percentile 72)
? Computer Science Applications (Q2, rank 150, percentile 67)
? Source Id: 18896
? Author Ids: 36025044100;22953696000;7004398165;7003404992
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Cello M.

154.

? Title: Power saving bandwidth allocation over GEO satellite networks
? Venue: IEEE Communications Letters
? Year: 2012
? Type: Journal
? Subtype: Article
? Citations: 45
? Doi: 10.1109/Lcomm.2012.030912.111913
? Scopus ID: 2-s2.0-84861170761
? Issn: 10897798
? Volume: 16
? Issue: 5
? Pages: 596-599
? Authors: Bisio Igor; Marchese Mario
? Keywords: Bandwidth allocation | Multi-objective programming | Power and bandwidth saving | Satellite communications
? 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)
2012:
? Electrical and Electronic Engineering (Q2, rank 158, percentile 74)
? Modeling and Simulation (Q2, rank 58, percentile 72)
? Computer Science Applications (Q2, rank 150, percentile 67)
? Source Id: 18896
? Author Ids: 8546192900;7004398165
? Authoraffiliationids: 60025153;60025153
? Corresponding: Bisio I.

155.

? Title: Simple protocol enhancements of Rapid Spanning Tree Protocol over ring topologies

? Venue: Computer Networks

? Year: 2012

? Type: Journal

? Subtype: Article

? Citations: 11

? DOI: 10.1016/j.comnet.2011.10.008

? Scopus ID: 2-s2.0-84858160822

? Issn: 13891286

? Volume: 56

? Issue: 4

? Pages: 1131-1151

? Authors: Marchese M.; Mongelli M.

? Keywords: Network resilience | Rapid Spanning Tree Protocol | Ring topology

? Quartile:

2025:

? Computer Networks and Communications (Q1, rank 96, percentile 82)

2012:

? Computer Networks and Communications (Q1, rank 40, percentile 80)

? Source Id: 26811

? Author Ids: 7004398165;7005882346

? Authoraffiliationids: 60025153;60021199

? Corresponding: Marchese M.

156.

? Title: Capacity bound of MOP-based allocation with packet loss and power metrics in satellite communications systems

? Venue: Proceedings IEEE Global Communications Conference Globecom

? Year: 2012

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 11

? Doi: 10.1109/Glocom.2012.6503625

? Scopus ID: 2-s2.0-84877664613

? Issn: 23340983

? eISSN: 25766813

? Pages: 3311-3316

? Authors: Bisio Igor; Delucchi Stefano; Lavagetto Fabio; Marchese Mario

? Keywords: Capacity Bound | Lp-problem based Allocation | Multi-Objective Programming | Performance Analysis | Satellite Communications

? Quartile:

2025:

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

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

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

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

? Source Id: 21101199922

? Author Ids: 8546192900;55694754400;7004136693;7004398165

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Bisio I.

157.

? Title: Context-aware smartphone services

? Venue: Pervasive Computing and Communications Design and Deployment Technologies Trends and Applications

? Year: 2011
? Type: Book
? Subtype: Book Chapter
? Citations: 5
? DOI: 10.4018/978-1-60960-611-4.ch002
? Scopus ID: 2-s2.0-84898570814
? Pages: 24-47
? Authors: Bisio Igor; Lavagetto Fabio; Marchese Mario
? Source Id: 21100304554
? Author Ids: 8546192900;7004136693;7004398165
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Bisio I.

158.

? Title: A generalized stochastic knapsack problem with application in call admission control
? Venue: 10th Cologne Twente Workshop on Graphs and Combinatorial Optimization Ctw 2011 Proceedings of the Conference
? Year: 2011
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Scopus ID: 2-s2.0-84883074726
? Pages: 105-108
? Authors: Cello Marco; Gnecco Giorgio; Marchese Mario; Sanguineti Marcello
? Keywords: Call admission control | Coordinate-convex policies | Feasibility region | Stochastic knapsack
? Source Id: 21100255332
? Author Ids: 36025044100;22953696000;7004398165;7003404992
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Cello M.

159.

? Title: Performance evaluation of bandwidth adaptation over DVB satellite channels
? Venue: Globecom IEEE Global Telecommunications Conference
? Year: 2011
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Glocom.2011.6133823
? Scopus ID: 2-s2.0-84857222564
? Authors: Marchese Mario; Mongelli Maurizio
? Keywords: Dynamic Bandwidth Allocation | Performance Evaluation | Satellite Communications | Telecommunications Networks
? Source Id: 145242
? Author Ids: 7004398165;7005882346
? Authoraffiliationids: 60025153;60025153
? Corresponding: Marchese M.

160.

? Title: Application layer joint coding for image transmission over deep space channels
? Venue: Globecom IEEE Global Telecommunications Conference
? Year: 2011
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 5
? Doi: 10.1109/Glocom.2011.6133825

? Scopus ID: 2-s2.0-84857198805
? Authors: Bisio Igor; Lavagetto Fabio; Marchese Mario
? Keywords: application layer coding | deep space communications | image compression | LDPC encoding | Multi-Attribute Decision Making theory
? Source Id: 145242
? Author Ids: 8546192900;7004136693;7004398165
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Bisio I.

161.

? Title: Adaptive call admission and bandwidth control in DVB-RCS systems
? Venue: IEEE International Conference on Communications
? Year: 2011
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? DOI: 10.1109/icc.2011.5962558
? Scopus ID: 2-s2.0-80052167347
? Issn: 05361486
? Authors: Marchese Mario; Mongelli Maurizio
? Keywords: call admission | DVB-RCS | measurement-based equivalent bandwidth | QoS mapping
? Source Id: 33201
? Author Ids: 7004398165;7005882346
? Authoraffiliationids: 60025153;60025153
? Corresponding: Marchese M.

162.

? Title: CAC with nonlinearly-constrained feasibility regions
? Venue: IEEE Communications Letters
? Year: 2011
? Type: Journal
? Subtype: Article
? Citations: 5
? Doi: 10.1109/Lcomm.2011.030311.102228
? Scopus ID: 2-s2.0-79954630256
? Issn: 10897798
? Volume: 15
? Issue: 4
? Pages: 467-469
? Authors: Cello Marco; Gnecco Giorgio; Marchese Mario; Sanguineti Marcello
? Keywords: Call admission control | coordinate convex policies | feasibility region
? 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)
2011:
? Modeling and Simulation (Q1, rank 49, percentile 75)
? Electrical and Electronic Engineering (Q1, rank 143, percentile 75)
? Computer Science Applications (Q2, rank 130, percentile 71)
? Source Id: 18896
? Author Ids: 36025044100;22953696000;7004398165;7003404992
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Cello M.

163.

? Title: Interplanetary and pervasive communications
? Venue: IEEE Aerospace and Electronic Systems Magazine
? Year: 2011
? Type: Journal
? Subtype: Article
? Citations: 19
? Doi: 10.1109/Maes.2011.5739484
? Scopus ID: 2-s2.0-79953187640
? Issn: 08858985
? Volume: 26
? Issue: 2
? Pages: 12-18
? Authors: Marchese Mario
? Quartile:
2025:
? Aerospace Engineering (Q1, rank 19, percentile 88)
? Electrical and Electronic Engineering (Q1, rank 161, percentile 83)
? Space and Planetary Science (Q1, rank 20, percentile 81)
2011:
? Aerospace Engineering (Q2, rank 43, percentile 58)
? Electrical and Electronic Engineering (Q3, rank 317, percentile 46)
? Space and Planetary Science (Q3, rank 49, percentile 32)
? Source Id: 25993
? Author Ids: 7004398165
? Authoraffiliationids: 60025153
? Corresponding: Marchese M.

164.

? Title: Delay-and disruption-tolerant networking (DTN): An alternative solution for future satellite networking applications
? Venue: Proceedings of the IEEE
? Year: 2011
? Type: Journal
? Subtype: Article
? Citations: 230
? Doi: 10.1109/Jproc.2011.2158378
? Scopus ID: 2-s2.0-80054986166
? Issn: 00189219
? Volume: 99
? Issue: 11
? Pages: 1980-1997
? Authors: Caini Carlo; Cruickshank Haitham; Farrell Stephen; Marchese Mario
? Keywords: Delay-and disruption-tolerant networking (DTN) | performance enhancing proxies (PEPs) | quality of service (QoS) | satellite communications | security
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 3, percentile 99)
? Computer Science (all) (Q1, rank 2, percentile 99)
2011:
? Electrical and Electronic Engineering (Q1, rank 4, percentile 99)
? Source Id: 17915
? Author Ids: 6701493219;6603896799;16051925300;7004398165
? Authoraffiliationids: 60028218;60021097;60011149;60025153
? Corresponding: Caini C.

165.

? Title: Structural properties of optimal coordinate-convex policies for CAC with nonlinearly-constrained feasibility regions
? Venue: Proceedings IEEE INFOCOM
? Year: 2011
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 6
? Doi: 10.1109/Infcom.2011.5935205
? Scopus ID: 2-s2.0-79960866018
? Issn: 0743166x
? Pages: 466-470
? Authors: Marchese Mario; Cello Marco; Gnecco Giorgio; Sanguineti Marcello
? Keywords: Call Admission Control | Coordinate Convex Policies | Feasibility Region
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 147, percentile 85)
? Computer Science (all) (Q1, rank 42, percentile 82)
2011:
? Computer Science (all) (Q1, rank 8, percentile 95)
? Electrical and Electronic Engineering (Q1, rank 39, percentile 93)
? Source Id: 18204
? Author Ids: 7004398165;36025044100;22953696000;7003404992
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Marchese M.

166.

? Title: Monitoring unauthorized internet accesses through a 'honeypot' system
? Venue: International Journal of Communication Systems
? Year: 2011
? Type: Journal
? Subtype: Article
? Citations: 9
? DOI: 10.1002/dac.1141
? Scopus ID: 2-s2.0-78650623144
? Issn: 10745351
? eISSN: 10991131
? Volume: 24
? Issue: 1
? Pages: 75-93
? Authors: Marchese Mario; Surlinelli Roberto; Zappatore Sandro
? Keywords: honeypot | network monitoring | network security
? Quartile:
2025:
? Electrical and Electronic Engineering (Q2, rank 309, percentile 69)
? Computer Networks and Communications (Q2, rank 171, percentile 68)
2011:
? Electrical and Electronic Engineering (Q3, rank 319, percentile 45)
? Computer Networks and Communications (Q3, rank 139, percentile 30)
? Source Id: 17964
? Author Ids: 7004398165;36702235700;6602811400
? Authoraffiliationids: 60025153;106544534;60025153
? Corresponding: Marchese M.

167.

? Title: Proceedings
? Venue: Lecture Notes of the Institute for Computer Sciences Social Informatics and

Telecommunications Engineering

? Year: 2010

? Type: Book Series

? Subtype: Editorial

? Citations: 0

? Scopus ID: 2-s2.0-84885892924

? Issn: 18678211

? Volume: 43 Lnicst

? Pages: V-VI

? Authors: Ruggieri Marina; Marchese Mario; Sithamparanathan Kandeepan

? Quartile:

2025:

? Computer Networks and Communications (Q4, rank 439, percentile 19)

? Source Id: 21100220348

? Author Ids: 7102391180;7004398165;9633908400

? Corresponding: Ruggieri M.

168.

? Title: Comparative analysis of image compression algorithms for deep space communications systems

? Venue: Lecture Notes of the Institute for Computer Sciences Social Informatics and Telecommunications Engineering

? Year: 2010

? Type: Book Series

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.1007/978-3-642-13618-4_5

? Scopus ID: 2-s2.0-84885887116

? Issn: 18678211

? Volume: 43 Lnicst

? Pages: 63-73

? Authors: Bisio Igor; Lavagetto Fabio; Marchese Mario

? Keywords: CCSDS compression | Compression time | Deep space communications systems | Image compression | JPEG2000 | PSNR

? Quartile:

2025:

? Computer Networks and Communications (Q4, rank 439, percentile 19)

? Source Id: 21100220348

? Author Ids: 8546192900;7004136693;7004398165

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Bisio I.

169.

? Title: Linear and non-linear strategies for power mapping in gaussian sensor networks

? Venue: 2010 Australasian Telecommunication Networks and Applications Conference Atnac 2010

? Year: 2010

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? Doi: 10.1109/Atnac.2010.5680261

? Scopus ID: 2-s2.0-79251578691

? Pages: 7-12

? Authors: Davoli Franco; Marchese Mario; Mongelli Maurizio

? Keywords: Gaussian sensor networks | Neural control | Power allocation | Sensitivity analysis

- ? Source Id: 19700187509
 - ? Author Ids: 57220364548;7004398165;7005882346
 - ? Authoraffiliationids: 60103966;60103966;60103966
 - ? Corresponding: Davoli F.
- 170.
- ? Title: Reference chaser bandwidth controller for wireless QoS mapping under delay constraints
 - ? Venue: Eurasip Journal on Wireless Communications and Networking
 - ? Year: 2010
 - ? Type: Journal
 - ? Subtype: Article
 - ? Citations: 1
 - ? Doi: 10.1155/2010/961690
 - ? Scopus ID: 2-s2.0-79251568957
 - ? Issn: 16871472
 - ? eISSN: 16871499
 - ? Volume: 2010
 - ? Authors: Marchese M.; Mongelli M.
 - ? Quartile: 2025:
 - ? Signal Processing (Q2, rank 52, percentile 73)
 - ? Computer Networks and Communications (Q2, rank 160, percentile 70)
 - ? Computer Science Applications (Q2, rank 317, percentile 67)
 - ? Source Id: 18202
 - ? Author Ids: 7004398165;7005882346
 - ? Authoraffiliationids: 60025153;60025153
 - ? Corresponding: Marchese M.
- 171.
- ? Title: Satellite communications: From PEPs to DTN
 - ? Venue: Asms Spsc 2010 2010 5th Advanced Satellite Multimedia Systems Conference and the 11th Signal Processing for Space Communications Workshop
 - ? Year: 2010
 - ? Type: Conference Proceeding
 - ? Subtype: Conference Paper
 - ? Citations: 8
 - ? Doi: 10.1109/Asms-Spsc.2010.5586899
 - ? Scopus ID: 2-s2.0-78049497406
 - ? Pages: 62-67
 - ? Authors: Caini C.; Firrincieli R.; Cruickshank H.; Marchese M.
 - ? Keywords: DTN | PEPs | QoS | Satellite communications | Security
 - ? Source Id: 19700182216
 - ? Author Ids: 6701493219;6506694454;6603896799;7004398165
 - ? Authoraffiliationids: 60028218;60028218;60021097;60025153
 - ? Corresponding: Caini C.
- 172.
- ? Title: ICT applications in green and renewable energy sector
 - ? Venue: Proceedings of the Workshop on Enabling Technologies Infrastructure for Collaborative Enterprises Wetice
 - ? Year: 2010
 - ? Type: Conference Proceeding
 - ? Subtype: Conference Paper
 - ? Citations: 14
 - ? Doi: 10.1109/Wetice.2010.33
 - ? Scopus ID: 2-s2.0-77955882219

? Issn: 15244547
? Pages: 175-179
? Authors: Stallo Cosimo; De Sanctis Mauro; Ruggieri Marina; Bisio Igor; Marchese Mario
? Quartile:
2025:
? Hardware and Architecture (Q4, rank 206, percentile 12)
? Software (Q4, rank 459, percentile 8)
? Source Id: 120165
? Author Ids: 24544857400;58896944500;7102391180;8546192900;7004398165
? Authoraffiliationids: 60027509;60027509;60027509;60025153;60025153
? Corresponding: Stallo C.

173.

? Title: Introduction to multi attribute decision making-based application layer joint coding for image transmission over deep space channels
? Venue: 2nd International Conference on Advances in Satellite and Space Communications Spacomm 2010
? Year: 2010
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Spacomm.2010.21
? Scopus ID: 2-s2.0-77955242506
? Pages: 134-139
? Authors: Bisio Igor; Lavagetto Fabio; Marchese Mario
? Keywords: Application layer coding | Deep space communications | Image compression | LDPC encoding | Multi-attribute decision making theory
? Source Id: 19700176305
? Author Ids: 8546192900;7004136693;7004398165
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Bisio I.

174.

? Title: Wireless pervasive networks for safety operations and secure transportations
? Venue: ISWPC 2010 IEEE 5th International Symposium on Wireless Pervasive Computing 2010
? Year: 2010
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/Iswwpc.2010.5483780
? Scopus ID: 2-s2.0-77954788091
? Pages: 226-231
? Authors: Marchese Mario
? Keywords: Delay tolerant networks | Networking architectures | Pervasive networking | QoS solutions
? Source Id: 19700175851
? Author Ids: 7004398165
? Authoraffiliationids: 60025153
? Corresponding: Marchese M.

175.

? Title: Speaker count application for smartphone platforms
? Venue: ISWPC 2010 IEEE 5th International Symposium on Wireless Pervasive Computing 2010
? Year: 2010
? Type: Conference Proceeding

? Subtype: Conference Paper
? Citations: 11
? Doi: 10.1109/Iswwpc.2010.5483789
? Scopus ID: 2-s2.0-77954782325
? Pages: 361-366
? Authors: Agneessens Alessio; Bisio Igor; Lavagetto Fabio; Marchese Mario; Sciarrone Andrea
? Keywords: Audio speaker count | Context aware applications | Low battery consumption | Low computational load | Multimedia communications
? Source Id: 19700175851
? Author Ids: 36179453600;8546192900;7004136693;7004398165;36180166900
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Agneessens A.

176.

? Title: Reliable data delivery over deep space networks: Benefits of long erasure codes over arq strategies
? Venue: IEEE Wireless Communications
? Year: 2010
? Type: Journal
? Subtype: Article
? Citations: 35
? Doi: 10.1109/Mwc.2010.5450661
? Scopus ID: 2-s2.0-77951573837
? Issn: 15361284
? Volume: 17
? Issue: 2
? Pages: 57-65
? Authors: De Cola Tomaso; Marchese Mario
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 24, percentile 97)
? Computer Science Applications (Q1, rank 29, percentile 97)
? Source Id: 18935
? Author Ids: 10739364500;7004398165
? Authoraffiliationids: 60007798;60025153
? Corresponding: De Cola T.

177.

? Title: Joint use of custody transfer and erasure codes in DTN space networks: Benefits and shortcomings
? Venue: Globecom IEEE Global Telecommunications Conference
? Year: 2010
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 9
? Doi: 10.1109/Glocom.2010.5683307
? Scopus ID: 2-s2.0-79551635151
? Authors: De Cola Tomaso; Marchese Mario
? Keywords: Congestion | Custody transfer | Delay tolerant network architecture | Erasure codes | Interplanetary networks
? Source Id: 145242
? Author Ids: 10739364500;7004398165
? Authoraffiliationids: 60007798;60025153
? Corresponding: De Cola T.

178.

- ? Title: Comparative analysis of interplanetary and pervasive communications
 - ? Venue: Globecom IEEE Global Telecommunications Conference
 - ? Year: 2010
 - ? Type: Conference Proceeding
 - ? Subtype: Conference Paper
 - ? Citations: 2
 - ? Doi: 10.1109/Glocom.2010.5683499
 - ? Scopus ID: 2-s2.0-79551633753
 - ? Authors: Marchese Mario
 - ? Keywords: Delay tolerant networks | Interplanetary communications | Pervasive communications | Quality of service
 - ? Source Id: 145242
 - ? Author Ids: 7004398165
 - ? Authoraffiliationids: 60025153
 - ? Corresponding: Marchese M.
- 179.
- ? Title: Simple protocol enhancements of rapid spanning tree protocol over ring topologies
 - ? Venue: Globecom IEEE Global Telecommunications Conference
 - ? Year: 2010
 - ? Type: Conference Proceeding
 - ? Subtype: Conference Paper
 - ? Citations: 3
 - ? Doi: 10.1109/Glocom.2010.5683943
 - ? Scopus ID: 2-s2.0-79551616957
 - ? Authors: Marchese M.; Mongelli M.; Portomauro G.
 - ? Keywords: Network resilience | Ring topology | RSTP
 - ? Source Id: 145242
 - ? Author Ids: 7004398165;7005882346;15128054100
 - ? Authoraffiliationids: 60025153;60025153;60025153
 - ? Corresponding: Marchese M.
- 180.
- ? Title: Adaptive call admission and bandwidth control in DVB-RCS systems
 - ? Venue: Journal of Communications and Networks
 - ? Year: 2010
 - ? Type: Journal
 - ? Subtype: Article
 - ? Citations: 1
 - ? Doi: 10.1109/Jcn.2010.6388303
 - ? Scopus ID: 2-s2.0-79251612192
 - ? Issn: 12292370
 - ? Volume: 12
 - ? Issue: 6
 - ? Pages: 568-576
 - ? Authors: Marchese Mario; Mongelli Maurizio
 - ? Keywords: Call admission control (CAC) | Digital video broadcasting (DVD)-return channel via satellite (RCS)/second generation (S2) | Measurement-based equivalent bandwidth | Quality of service (QoS) mapping
 - ? Quartile:
 - 2025:
 - ? Computer Networks and Communications (Q1, rank 60, percentile 89)
 - ? Information Systems (Q1, rank 64, percentile 87)
 - ? Source Id: 4800154012
 - ? Author Ids: 7004398165;7005882346

? Authoraffiliationids: 60025153;60025153

? Corresponding: Marchese M.

181.

? Title: A measurement-based adaptive control mechanism for pricing in telecommunication networks

? Venue: Journal of Communications and Networks

? Year: 2010

? Type: Journal

? Subtype: Article

? Citations: 2

? Doi: 10.1109/Jcn.2010.6388454

? Scopus ID: 2-s2.0-77954506458

? Issn: 12292370

? Volume: 12

? Issue: 3

? Pages: 253-265

? Authors: Davoli Franco; Marchese Mario; Mongelli Maurizio

? Keywords: Functional optimization | Network pricing | Neural control | User sensitivity

? Quartile:

2025:

? Computer Networks and Communications (Q1, rank 60, percentile 89)

? Information Systems (Q1, rank 64, percentile 87)

? Source Id: 4800154012

? Author Ids: 57220364548;7004398165;7005882346

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Davoli F.

182.

? Title: Performance enhanced proxy solutions for satellite networks: State of the art, protocol stack and possible interfaces

? Venue: Lecture Notes of the Institute for Computer Sciences Social Informatics and Telecommunications Engineering

? Year: 2009

? Type: Book Series

? Subtype: Conference Paper

? Citations: 4

? Doi: 10.1007/978-3-642-04260-7_8

? Scopus ID: 2-s2.0-84885893385

? Issn: 18678211

? Volume: 15 Lnicst

? Pages: 61-67

? Authors: Bisio Igor; Marchese Mario; Mongelli Maurizio

? Quartile:

2025:

? Computer Networks and Communications (Q4, rank 439, percentile 19)

? Source Id: 21100220348

? Author Ids: 8546192900;7004398165;7005882346

? Corresponding: Bisio I.

183.

? Title: Combined congestion control and link selection strategies for delay tolerant interplanetary networks

? Venue: Lecture Notes of the Institute for Computer Sciences Social Informatics and Telecommunications Engineering

? Year: 2009

? Type: Book Series
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1007/978-3-642-04260-7_15
? Scopus ID: 2-s2.0-84885887516
? Issn: 18678211
? Volume: 15 Lnicst
? Pages: 122-131
? Authors: Bisio Igor; De Cola Tomaso; Lavagetto Fabio; Marchese Mario
? Keywords: Custodial transfer | Delay tolerant network architecture | Explicit congestion notification | Interplanetary networks | Random early detection
? Quartile:
2025:
? Computer Networks and Communications (Q4, rank 439, percentile 19)
? Source Id: 21100220348
? Author Ids: 8546192900;10739364500;7004136693;7004398165
? Corresponding: Bisio I.

184.

? Title: Design and evaluation guidelines for bandwidth allocation solutions in satellite environments
? Venue: Globecom IEEE Global Telecommunications Conference
? Year: 2009
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/Glocom.2009.5426294
? Scopus ID: 2-s2.0-77951595331
? Authors: Bisio Igor; Marchese Mario
? Keywords: Bandwidth allocation | Bandwidth utilization | Fairness | Performance efficiency | Satellite networks
? Source Id: 145242
? Author Ids: 8546192900;7004398165
? Corresponding: Bisio I.

185.

? Title: Combined congestion control and link selection strategies for delay tolerant interplanetary networks
? Venue: Globecom IEEE Global Telecommunications Conference
? Year: 2009
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 32
? Doi: 10.1109/Glocom.2009.5426295
? Scopus ID: 2-s2.0-77951583602
? Authors: Bisio Igor; Cello Marco; De Cola Tomaso; Marchese Mario
? Keywords: Custodial transfer | Delay tolerant network architecture | Explicit congestion notification | Interplanetary networks | Random early detection
? Source Id: 145242
? Author Ids: 8546192900;36025044100;10739364500;7004398165
? Corresponding: Bisio I.

186.

? Title: Bandwidth adaptation for vertical QoS mapping in protocol stacks for wireless links
? Venue: Globecom IEEE Global Telecommunications Conference
? Year: 2009

? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 5
? Doi: 10.1109/Glocom.2009.5425539
? Scopus ID: 2-s2.0-77951541102
? Authors: Davoli F.; Marchese M.; Mongelli M.
? Keywords: Bandwidth control | QoS mapping
? Source Id: 145242
? Author Ids: 57220364548;7004398165;7005882346
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Davoli F.

187.

? Title: A decision theoretic approach to Gaussian sensor networks
? Venue: IEEE International Conference on Communications
? Year: 2009
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 5
? Doi: 10.1109/lcc.2009.5198590
? Scopus ID: 2-s2.0-70449502123
? Issn: 05361486
? Authors: Davoli F.; Marchese M.; Mongelli M.
? Keywords: Gaussian sensor network | Neural control
? Source Id: 33201
? Author Ids: 57220364548;7004398165;7005882346
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Davoli F.

188.

? Title: Analysis of TCP live experiments on a real GEO satellite testbed
? Venue: Performance Evaluation
? Year: 2009
? Type: Journal
? Subtype: Article
? Citations: 16
? DOI: 10.1016/j.peva.2008.10.012
? Scopus ID: 2-s2.0-61449098482
? Issn: 01665316
? Volume: 66
? Issue: 6
? Pages: 287-300
? Authors: Caini C.; Firrincieli R.; Lacamera D.; de Cola T.; Marchese M.; Marcondes C.; Sanadidi M. Y.; Gerla M.
? Keywords: PEPsal | Performance Enhancing Proxy (PEP) | Satellite communications | TCP Hybla | TCP-splitting | Testbed | Transport protocols
? Quartile:
2025:
? Modeling and Simulation (Q3, rank 196, percentile 48)
? Computer Networks and Communications (Q3, rank 293, percentile 46)
? Hardware and Architecture (Q3, rank 143, percentile 39)
? Software (Q3, rank 311, percentile 37)
? Source Id: 22313
? Author Ids: 6701493219;6506694454;15923087000;10739364500;7004398165;15923534300;6601917046;35552197100
? Authoraffiliationids:

60028218;60028218;60028218;60007798;60025153;60027550;60027550;60027550

? Corresponding: Caini C.

189.

? Title: Vertical QoS mapping over wireless interfaces

? Venue: IEEE Wireless Communications

? Year: 2009

? Type: Journal

? Subtype: Article

? Citations: 15

? Doi: 10.1109/Mwc.2009.4907558

? Scopus ID: 2-s2.0-67349197428

? Issn: 15361284

? Volume: 16

? Issue: 2

? Pages: 37-43

? Authors: Marchese Mario; Mongelli Maurizio

? Quartile:

2025:

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

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

? Source Id: 18935

? Author Ids: 7004398165;7005882346

? Authoraffiliationids: 60025153;60025153

? Corresponding: Marchese M.

190.

? Title: Multi-Attribute Decision Making routing strategy for interplanetary communications

? Venue: 2008 4th Advanced Satellite Mobile Systems Proceedings Asms 2008

? Year: 2008

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 4

? Doi: 10.1109/Asms.2008.40

? Scopus ID: 2-s2.0-57849158305

? Pages: 192-197

? Authors: Bisio Igor; Marchese Mario; De Cola Tomaso

? Keywords: Congestion control | Delay tolerant network architecture | Interplanetary networks | Next-hop selection

? Source Id: 14000156214

? Author Ids: 8546192900;7004398165;10739364500

? Authoraffiliationids: 60025153;60025153;60007798

? Corresponding: Bisio I.

191.

? Title: Efficient satellite-based sensor networks for information retrieval

? Venue: IEEE Systems Journal

? Year: 2008

? Type: Journal

? Subtype: Article

? Citations: 39

? Doi: 10.1109/Jsysst.2008.2004850

? Scopus ID: 2-s2.0-58549112376

? Issn: 19328184

? eISSN: 19379234

? Volume: 2

? Issue: 4
? Pages: 464-475
? Authors: Bisio Igor; Marchese Mario
? Keywords: Monitoring system | Multi-attribute programming | Performance evaluation | Satellite infrastructures | Sensor networks and sink selection
? Quartile:
2025:
? Computer Networks and Communications (Q1, rank 25, percentile 95)
? Electrical and Electronic Engineering (Q1, rank 49, percentile 95)
? Control and Systems Engineering (Q1, rank 25, percentile 93)
? Computer Science Applications (Q1, rank 68, percentile 93)
? Information Systems (Q1, rank 35, percentile 93)
? Source Id: 11300153734
? Author Ids: 8546192900;7004398165
? Authoraffiliationids: 60025153;60025153
? Corresponding: Bisio I.

192.

? Title: Congestion aware routing strategies for DTN-based interplanetary networks
? Venue: Globecom IEEE Global Telecommunications Conference
? Year: 2008
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 38
? Doi: 10.1109/Glocom.2008.Ecp.262
? Scopus ID: 2-s2.0-67249117303
? Pages: 1332-1336
? Authors: Bisio Igor; Marchese Mario; De Cola Tomaso
? Keywords: Congestion control | Delay tolerant network architecture | Interplanetary networks | Next-hop selection
? Source Id: 145242
? Author Ids: 8546192900;7004398165;10739364500
? Authoraffiliationids: 60025153;60025153;60007798
? Corresponding: Bisio I.

193.

? Title: Attributes definitions and measurement methods for madm based sink selection controls in satellite sensor networks
? Venue: Globecom IEEE Global Telecommunications Conference
? Year: 2008
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Doi: 10.1109/Glocom.2008.Ecp.541
? Scopus ID: 2-s2.0-67249100740
? Pages: 2822-2826
? Authors: Bisio Igor; Marchese Mario
? Keywords: Multi attribute programming and performance evaluation | Satellite sensor networks | Sink selection
? Source Id: 145242
? Author Ids: 8546192900;7004398165
? Authoraffiliationids: 60025153;60025153
? Corresponding: Bisio I.

194.

? Title: Adaptive erasure coding for interplanetary networks with incomplete channel side information

- ? Venue: Globecom IEEE Global Telecommunications Conference
? Year: 2008
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.1109/Glocom.2008.Ecp.551
? Scopus ID: 2-s2.0-67249092165
? Pages: 2875-2879
? Authors: De Cola Tomaso; Marchese Mario
? Keywords: Adaptive erasure codes | Delay tolerant networks | Interplanetary networks
| Ldpc codes
? Source Id: 145242
? Author Ids: 10739364500;7004398165
? Authoraffiliationids: 60007798;60025153
? Corresponding: De Cola T.
195.
? Title: Cross-layer paradigms in the convergence of computing, communication and control (C3)
? Venue: Proceedings IEEE Military Communications Conference MILCOM
? Year: 2008
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Milcom.2008.4753393
? Scopus ID: 2-s2.0-62349106941
? Authors: Marchese Mario; Mongelli Maurizio; Gesmundo Vincenzo
? Keywords: Actor-sensor networks | Cross-layer paradigms
? Source Id: 87683
? Author Ids: 7004398165;7005882346;16024577500
? Authoraffiliationids: 60025153;60025153;60083763
? Corresponding: Marchese M.
196.
? Title: Service level agreement control in the presence of heterogeneous traffic and QoS requirements
? Venue: IEEE International Conference on Communications
? Year: 2008
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/lcc.2008.23
? Scopus ID: 2-s2.0-51249120906
? Issn: 05361486
? Pages: 80-84
? Authors: Marchese Mario; Mongelli Maurizio
? Keywords: Equivalent bandwidth | Measurement control | QoS
? Source Id: 33201
? Author Ids: 7004398165;7005882346
? Authoraffiliationids: 60000251;60000251
? Corresponding: Marchese M.
197.
? Title: Protocol structure overview of QoS mapping over satellite networks
? Venue: IEEE International Conference on Communications
? Year: 2008
? Type: Conference Proceeding

? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/lcc.2008.375
? Scopus ID: 2-s2.0-51249117806
? Issn: 05361486
? Pages: 1957-1961
? Authors: Marchese Mario; Mongelli Maurizio
? Source Id: 33201
? Author Ids: 7004398165;7005882346
? Authoraffiliationids: 60025153;60025153
? Corresponding: Marchese M.

198.

? Title: Packet loss and delay combined optimization for satellite channel bandwidth allocation controls
? Venue: IEEE International Conference on Communications
? Year: 2008
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.1109/lcc.2008.365
? Scopus ID: 2-s2.0-51249114729
? Issn: 05361486
? Pages: 1905-1909
? Authors: Bisio Igor; Marchese Mario
? Keywords: Bandwidth allocation | Multi-objective programming | Performance evaluation | QoS metrics | Satellite systems
? Source Id: 33201
? Author Ids: 8546192900;7004398165
? Authoraffiliationids: 60000251-60025153;60000251-60025153
? Corresponding: Bisio I.

199.

? Title: Power and bandwidth effective data communications in disaster relief operations through a satellite-based disruption tolerant network paradigm
? Venue: IEEE International Conference on Communications
? Year: 2008
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 6
? Doi: 10.1109/lcc.2008.360
? Scopus ID: 2-s2.0-51249098940
? Issn: 05361486
? Pages: 1876-1880
? Authors: De Cola Tomaso; Marchese Mario; Raviola Annamaria
? Keywords: Delay tolerant network | Power consumption | Routing algorithms | Satellite communications
? Source Id: 33201
? Author Ids: 10739364500;7004398165;6507642471
? Authoraffiliationids: 60007798;60025153;60083763
? Corresponding: De Cola T.

200.

? Title: Guest editorial: Recent advances in global navigation and communication satellite systems
? Venue: IEEE Systems Journal
? Year: 2008

? Type: Journal
? Subtype: Editorial
? Citations: 1
? Doi: 10.1109/Jsysst.2007.914870
? Scopus ID: 2-s2.0-41749095363
? Volume: 2
? Issue: 1
? Pages: 3-6
? Authors: Obaidat Obaidat M.S.; Marchese Marchese M.
? Quartile:
2025:
? Computer Networks and Communications (Q1, rank 25, percentile 95)
? Electrical and Electronic Engineering (Q1, rank 49, percentile 95)
? Control and Systems Engineering (Q1, rank 25, percentile 93)
? Computer Science Applications (Q1, rank 68, percentile 93)
? Information Systems (Q1, rank 35, percentile 93)
? Source Id: 11300153734
? Author Ids: 23994231500;7004398165
? Authoraffiliationids: 60029216;60025153
? Corresponding: Obaidat O.

201.

? Title: Performance evaluation of bandwidth allocation methods in a geostationary satellite channel in the presence of internet traffic
? Venue: Computer Networks
? Year: 2008
? Type: Journal
? Subtype: Article
? Citations: 29
? DOI: 10.1016/j.comnet.2007.09.003
? Scopus ID: 2-s2.0-36048942747
? Issn: 13891286
? Volume: 52
? Issue: 1
? Pages: 275-291
? Authors: Bisio Igor; Marchese Mario
? Keywords: Congestion control | Performance evaluation | Resource allocation | TCP
? Quartile:
2025:
? Computer Networks and Communications (Q1, rank 96, percentile 82)
? Source Id: 26811
? Author Ids: 8546192900;7004398165
? Authoraffiliationids: 60025153;60025153
? Corresponding: Bisio I.

202.

? Title: High Performance Communication and Navigation Systems for Interplanetary Networks
? Venue: IEEE Systems Journal
? Year: 2008
? Type: Journal
? Subtype: Article
? Citations: 9
? Doi: 10.1109/Jsysst.2007.914868
? Scopus ID: 2-s2.0-41749099928
? Issn: 19328184

? eISSN: 19379234
? Volume: 2
? Issue: 1
? Pages: 104-113
? Authors: de Cola Tomaso; Marchese Mario
? Keywords: Consultative Committee for Space Data Systems (CCSDS) | interplanetary networks | low-density parity check (LDPC) | navigation systems | packet layer coding | protocol architectures
? Quartile:
2025:
? Computer Networks and Communications (Q1, rank 25, percentile 95)
? Electrical and Electronic Engineering (Q1, rank 49, percentile 95)
? Control and Systems Engineering (Q1, rank 25, percentile 93)
? Computer Science Applications (Q1, rank 68, percentile 93)
? Information Systems (Q1, rank 35, percentile 93)
? Source Id: 11300153734
? Author Ids: 10739364500;7004398165
? Authoraffiliationids: 105620956;60025153
? Corresponding: de Cola T.

203.

? Title: Resource management and network layer
? Venue: Resource Management in Satellite Networks Optimization and Cross Layer Design
? Year: 2007
? Type: Book
? Subtype: Book Chapter
? Citations: 0
? Doi: 10.1007/978-0-387-53991-1_8
? Scopus ID: 2-s2.0-84892270375
? Pages: 243-287
? Authors: Barsocchi Paolo; Birnbacher Ulla; Chai Wei Koong; Cuevas Antonio; Davoli Franco; Gotta Alberto; Mancuso Vincenzo; Marchese Mario; Mongelli Maurizio; Novella Jos[^] Ignacio Moreno; Potort[^] Francesco; Tsigkas Orestis
? Source Id: 21100282591
? Author Ids: 24334179600;6507658033;14041390300;17433943300;57220364548;9846429300;36852286300;7004398165;7005882346;35611835100;6701485382;8976574100
? Authoraffiliationids: 60085207;60019663;60021097;60001741;60025153;60085207;60027509;60025153;60025153;60001741;60085207;60015331
? Corresponding: Barsocchi P.

204.

? Title: Measurement-based computation of equivalent bandwidth under performance constraints
? Venue: 2007 IEEE Sarnoff Symposium Sarnoff
? Year: 2007
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Sarnof.2007.4567397
? Scopus ID: 2-s2.0-51849095841
? Authors: Marchese Mario; Mongelli Maurizio
? Keywords: Equivalent bandwidth | Measurement control | QoS
? Source Id: 12100156845
? Author Ids: 7004398165;7005882346
? Authoraffiliationids: 60000251;60000251
? Corresponding: Marchese M.

205.

? Title: TCP live experiments on a real GEO satellite testbed
? Venue: Proceedings IEEE Symposium on Computers and Communications
? Year: 2007
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 8
? Doi: 10.1109/Iscc.2007.4381523
? Scopus ID: 2-s2.0-48049085169
? Issn: 15301346
? Pages: 523-529
? Authors: Caini C.; Firrincieli R.; Lacamera D.; De Cola T.; Marchese M.; Marcondes C.; Sanadidi M. Y.; Gerla M.
? Keywords: Measurements | Satellite communications | TCP Hybla | TCP Westwood | Testbed | Transport protocols
? Quartile:
2025:
? Mathematics (all) (Q2, rank 119, percentile 71)
? Signal Processing (Q3, rank 107, percentile 45)
? Computer Networks and Communications (Q3, rank 310, percentile 43)
? Computer Science Applications (Q3, rank 626, percentile 36)
? Software (Q3, rank 334, percentile 33)
? Source Id: 18707
? Author Ids: 6701493219;6506694454;15923087000;10739364500;7004398165;15923534300;6601917046;35552197100
? Authoraffiliationids: 60028218;60028218;60028218;60025153;60025153;60027550;60027550;60027550
? Corresponding: Caini C.

206.

? Title: IP switching enhancements over IP differentiated services for QoS interworking
? Venue: Proceedings IEEE Military Communications Conference MILCOM
? Year: 2007
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/Milcom.2007.4454762
? Scopus ID: 2-s2.0-47949119350
? Authors: Marchese Mario; Raviola Annamaria; Mongelli Maurizio; Gesmundo Vincenzo
? Source Id: 87683
? Author Ids: 7004398165;6507642471;7005882346;16024577500
? Authoraffiliationids: 60025153;60083763;60025153;60083763
? Corresponding: Marchese M.

207.

? Title: Adaptive pricing without explicit knowledge of users traffic demands and utility functions
? Venue: Globecom IEEE Global Telecommunications Conference
? Year: 2007
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Glocom.2007.488
? Scopus ID: 2-s2.0-39349106153
? Pages: 2571-2575
? Authors: Davoli Franco; Marchese Mario; Mongelli Maurizio

? Keywords: Functional optimization | Network pricing | Neural control | User sensitivity
? Source Id: 145242
? Author Ids: 57220364548;7004398165;7005882346
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Davoli F.

208.

? Title: Dynamic bandwidth allocation criteria over satellite networks
? Venue: Globecom IEEE Global Telecommunications Conference
? Year: 2007
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/Glocom.2007.950
? Scopus ID: 2-s2.0-39349104173
? Pages: 5011-5015
? Authors: Bisio Igor; Marchese Mario
? Keywords: Bandwidth allocation | Multi-attribute programming | Performance evaluation | Satellite systems
? Source Id: 145242
? Author Ids: 8546192900;7004398165
? Authoraffiliationids: 60000251-60025153;60000251-60025153
? Corresponding: Bisio I.

209.

? Title: Multi attribute based algorithm for reliable satellite-based sensor networks
? Venue: Globecom IEEE Global Telecommunications Conference
? Year: 2007
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/Glocom.2007.951
? Scopus ID: 2-s2.0-39349088337
? Pages: 5016-5020
? Authors: Bisio Igor; Marchese Mario; Portomauro Giancarlo
? Keywords: Efficiency requirements | Monitoring systems | Multi attribute programming | Satellite sensor networks
? Source Id: 145242
? Author Ids: 8546192900;7004398165;15128054100
? Authoraffiliationids: 60000251-60025153;60000251-60025153;60000251
? Corresponding: Bisio I.

210.

? Title: Achieving high goodput performance in mars missions through application layer coding and transmission power trading
? Venue: IEEE International Conference on Communications
? Year: 2007
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Doi: 10.1109/lcc.2007.17
? Scopus ID: 2-s2.0-38549137233
? Issn: 05361486
? Pages: 44-49
? Authors: De Cola Tomaso; Ernst Harald; Marchese Mario
? Keywords: CFDP | Erasure coding | Satellite communications | Transport layer

? Source Id: 33201
? Author Ids: 10739364500;8379159300;7004398165
? Authoraffiliationids: 60025153;60007798;60025153
? Corresponding: De Cola T.

211.

? Title: Performance study of bandwidth allocation techniques for QoS-constrained satellite networks
? Venue: IEEE International Conference on Communications
? Year: 2007
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/lcc.2007.11
? Scopus ID: 2-s2.0-38549131702
? Issn: 05361486
? Pages: 7-12
? Authors: Bisio Igor; Marchese Mario
? Keywords: Bandwidth allocation | Multi-attribute programming | Performance evaluation | Quality of service | Satellite systems
? Source Id: 33201
? Author Ids: 8546192900;7004398165
? Authoraffiliationids: 60000251-60025153;60000251-60025153
? Corresponding: Bisio I.

212.

? Title: Optimal bandwidth provision at WiMAX MAC service access point on uplink direction
? Venue: IEEE International Conference on Communications
? Year: 2007
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 5
? Doi: 10.1109/lcc.2007.22
? Scopus ID: 2-s2.0-38549115501
? Issn: 05361486
? Pages: 80-85
? Authors: Marchese Mario; Mongelli Maurizio
? Keywords: 802.16 MAC layer | Cross-layer quality of service | Dynamic bandwidth allocation | Neural feedback control
? Source Id: 33201
? Author Ids: 7004398165;7005882346
? Authoraffiliationids: 60000251-60025153;60000251-60025153
? Corresponding: Marchese M.

213.

? Title: Satellite Earth Station (SES) selection method for satellite-based sensor networks
? Venue: IEEE Communications Letters
? Year: 2007
? Type: Journal
? Subtype: Article
? Citations: 38
? Doi: 10.1109/Lcomm.2007.071246
? Scopus ID: 2-s2.0-38149137950
? Issn: 10897798
? Volume: 11

? Issue: 12
? Pages: 970-972
? Authors: Bisio Igor; Marchese Mario
? Keywords: Multi attribute programming | Network optimization | Performance evaluation
| Satellite sensor networks
? 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)
? Source Id: 18896
? Author Ids: 8546192900;7004398165
? Authoraffiliationids: 60025153;60025153
? Corresponding: Bisio I.

214.

? Title: Measurement-based computation of generalized equivalent bandwidth for loss constraints
? Venue: IEEE Communications Letters
? Year: 2007
? Type: Journal
? Subtype: Article
? Citations: 7
? Doi: 10.1109/Lcomm.2007.070982
? Scopus ID: 2-s2.0-38149063392
? Issn: 10897798
? Volume: 11
? Issue: 12
? Pages: 1007-1009
? Authors: Marchese Mario; Mongelli Maurizio
? Keywords: Equivalent bandwidth | Measurement control | QoS
? 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)
? Source Id: 18896
? Author Ids: 7004398165;7005882346
? Authoraffiliationids: 60025153;60025153
? Corresponding: Marchese M.

215.

? Title: Adaptive rate allocation and resource planning for service level agreement maintenance in satellite communications
? Venue: Computer Communications
? Year: 2007
? Type: Journal
? Subtype: Article
? Citations: 3
? DOI: 10.1016/j.comcom.2007.05.045
? Scopus ID: 2-s2.0-35148898240
? Issn: 01403664
? Volume: 30
? Issue: 16
? Pages: 3179-3192
? Authors: Marchese Mario; Mongelli Maurizio

? Keywords: Infinitesimal Perturbation Analysis | Measurement-based control | QoS architectures | QoS mapping | Satellite Service Access Point

? Quartile:

2025:

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

? Source Id: 13681

? Author Ids: 7004398165;7005882346

? Authoraffiliationids: 60025153;60025153

? Corresponding: Marchese M.

216.

? Title: Resource allocation over grid computing military networks

? Venue: Proceedings IEEE Military Communications Conference MILCOM

? Year: 2007

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Milcom.2006.302078

? Scopus ID: 2-s2.0-35148836131

? Authors: Bisio Igor; Marchese Mario; Mongelli Maurizio; Raviola Annamaria

? Source Id: 87683

? Author Ids: 8546192900;7004398165;7005882346;6507642471

? Authoraffiliationids: 60025153;60025153;60025153;60083763

? Corresponding: Bisio I.

217.

? Title: Performance analysis of CCSDS File Delivery Protocol and erasure coding techniques in deep space environments

? Venue: Computer Networks

? Year: 2007

? Type: Journal

? Subtype: Article

? Citations: 36

? DOI: 10.1016/j.comnet.2007.04.015

? Scopus ID: 2-s2.0-34547182862

? Issn: 13891286

? Volume: 51

? Issue: 14

? Pages: 4032-4049

? Authors: de Cola Tomaso; Ernst Harald; Marchese Mario

? Keywords: CFDP | Erasure coding | Satellite communication | Transport layer

? Quartile:

2025:

? Computer Networks and Communications (Q1, rank 96, percentile 82)

? Source Id: 26811

? Author Ids: 10739364500;8379159300;7004398165

? Authoraffiliationids: 60025153;60007798;60025153

? Corresponding: de Cola T.

218.

? Title: Neural bandwidth allocation function (NBAF) control scheme at WiMAX MAC layer interface

? Venue: International Journal of Communication Systems

? Year: 2007

? Type: Journal

? Subtype: Article

? Citations: 3

? DOI: 10.1002/dac.862
? Scopus ID: 2-s2.0-34548441535
? Issn: 10745351
? eISSN: 10991131
? Volume: 20
? Issue: 9
? Pages: 1059-1079
? Authors: Marchese Mario; Mongelli Maurizio
? Keywords: 802.16 MAC layer | Cross-layer quality of service (QoS) | Dynamic bandwidth allocation | Neural control
? Quartile:
2025:
? Electrical and Electronic Engineering (Q2, rank 309, percentile 69)
? Computer Networks and Communications (Q2, rank 171, percentile 68)
? Source Id: 17964
? Author Ids: 7004398165;7005882346
? Authoraffiliationids: 60025153;60025153
? Corresponding: Marchese M.

219.

? Title: QoS Over Heterogeneous Networks
? Venue: Qos Over Heterogeneous Networks
? Year: 2007
? Type: Book
? Subtype: Book
? Citations: 97
? Doi: 10.1002/9780470058763
? Scopus ID: 2-s2.0-84889483834
? Pages: 1-307
? Authors: Marchese Mario
? Source Id: 21100272179
? Author Ids: 7004398165
? Authoraffiliationids: 60025153
? Corresponding: Marchese M.

220.

? Title: Design and performance evaluation of a packet-switching satellite emulator
? Venue: Recent Advances in Modeling and Simulation Tools for Communication Networks and Services
? Year: 2007
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-84896347488
? Pages: 279-297
? Authors: De Cola Tomaso; Marchese Mario; Portomauro Giancarlo
? Source Id: 21100297825
? Author Ids: 10739364500;7004398165;15128054100
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: De Cola T.

221.

? Title: A unified system-independent satellite network interface
? Venue: Qshine 2007 Workshop Satellite Terrestrial Interworking lwsti 07
? Year: 2007
? Type: Conference Proceeding
? Subtype: Conference Paper

? Citations: 0
? Doi: 10.1145/1577776.1577780
? Scopus ID: 2-s2.0-70549098257
? Authors: Berioli M.; Fairhurst G.; Hu Y. F.; Marchese M.
? Keywords: DVB-RCS | Mobility | Network architecture | QoS | Satellite |
Standardisation | TCP/IP
? Source Id: 21100996911
? Author Ids: 6602285720;35611160400;7407117611;7004398165
? Authoraffiliationids: 60007798;60015875;60008524;60025153
? Corresponding: Berioli M.

222.

? Title: Minimum distance bandwidth allocation over space communications
? Venue: IEEE Communications Letters
? Year: 2007
? Type: Journal
? Subtype: Article
? Citations: 10
? Doi: 10.1109/Lcomm.2007.060969
? Scopus ID: 2-s2.0-33947667492
? Issn: 10897798
? Volume: 11
? Issue: 1
? Pages: 19-21
? Authors: Bisio Igor; Marchese Mario
? Keywords: Bandwidth allocation | Multi-objective programming | Performance evaluation
| Space communications
? 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)
? Source Id: 18896
? Author Ids: 8546192900;7004398165
? Authoraffiliationids: 60025153;60025153
? Corresponding: Bisio I.

223.

? Title: Transport layer protocols and architectures for satellite networks
? Venue: International Journal of Satellite Communications and Networking
? Year: 2007
? Type: Journal
? Subtype: Article
? Citations: 42
? DOI: 10.1002/sat.855
? Scopus ID: 2-s2.0-33846640793
? Issn: 15420973
? eISSN: 15420981
? Volume: 25
? Issue: 1
? Pages: 1-26
? Authors: Caini Carlo; Firrincieli Rosario; Marchese Mario; De Cola Tomaso; Luglio
Michele; Roseti Cesare; Celandroni Nedo; Potortˆ Francesco
? Keywords: DTN | PEP | Satellite networks | TCP | Transport protocols
? Quartile:
2025:

? Media Technology (Q2, rank 21, percentile 72)
? Electrical and Electronic Engineering (Q2, rank 374, percentile 62)
? Source Id: 19924
? Author Ids: 6701493219;6506694454;7004398165;10739364500;7003570928;15127967700;7003794458;6701485382
? Authoraffiliationids:
60028218;60028218;60025153;60025153;60027509;60027509;60085207;60085207
? Corresponding: Caini C.

224.

? Title: Adaptive rate allocation for satellite service level agreement with loss and delay constraints
? Venue: International Symposium on Performance Evaluation of Computer and Telecommunication Systems 2006 Spects 06 Part of the 2006 Summer Simulation Multiconference Summersim 06
? Year: 2006
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Scopus ID: 2-s2.0-84870044608
? Pages: 371-377
? Authors: Marchese Mario; Mongelli Maurizio
? Keywords: Infinitesimal perturbation analysis | Measurement-based control | QoS mapping | Satellite QoS architectures
? Source Id: 21100220420
? Author Ids: 7004398165;7005882346
? Authoraffiliationids: 60025153;60025153
? Corresponding: Marchese M.

225.

? Title: Implementation issues in the design of application protocol solutions for deep space environments
? Venue: International Symposium on Performance Evaluation of Computer and Telecommunication Systems 2006 Spects 06 Part of the 2006 Summer Simulation Multiconference Summersim 06
? Year: 2006
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-84869989375
? Pages: 121-128
? Authors: De Cola Tomaso; Ernst Harald; Marchese Mario
? Keywords: CCSDS File Delivery Protocol | LDPC | Markov chains | Packet Layer Coding | Satellite communications
? Source Id: 21100220420
? Author Ids: 10739364500;8379159300;7004398165
? Authoraffiliationids: 60025153;60007798;60025153
? Corresponding: De Cola T.

226.

? Title: QoS-constrained MOP-based bandwidth allocation over space networks
? Venue: Globecom IEEE Global Telecommunications Conference
? Year: 2006
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/Glocom.2006.519

? Scopus ID: 2-s2.0-50949131720
? Authors: Bisio Igor; Marchese Mario
? Keywords: Multi objective programming | Performance evaluation | Resource allocation
| Satellite channel
? Source Id: 145242
? Author Ids: 8546192900;7004398165
? Authoraffiliationids: 60000251-60025153;60000251-60025153
? Corresponding: Bisio I.

227.

? Title: Performance evaluation of sink selection techniques in satellite sensor networks
? Venue: Globecom IEEE Global Telecommunications Conference
? Year: 2006
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Doi: 10.1109/Glocom.2006.528
? Scopus ID: 2-s2.0-50949121186
? Authors: Bisio Igor; Marchese Mario; Portomauro Giancarlo
? Keywords: Multi attribute programming | Performance evaluation | Satellite sensor network
? Source Id: 145242
? Author Ids: 8546192900;7004398165;15128054100
? Authoraffiliationids: 60000251-60025153;60000251-60025153;60025153
? Corresponding: Bisio I.

228.

? Title: Loss and delay QoS mapping control for satellite systems
? Venue: Globecom IEEE Global Telecommunications Conference
? Year: 2006
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Glocom.2006.515
? Scopus ID: 2-s2.0-50949093070
? Authors: Marchese Mario; Mongelli Maurizio
? Keywords: Infinitesimal perturbation analysis | Measurement-based control | QoS mapping | Satellite QoS architectures
? Source Id: 145242
? Author Ids: 7004398165;7005882346
? Authoraffiliationids: 60025153;60025153
? Corresponding: Marchese M.

229.

? Title: Study and performance analysis of ARQ-based and transport layer coding schemes over deep space networks
? Venue: Globecom IEEE Global Telecommunications Conference
? Year: 2006
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/Glocom.2006.470
? Scopus ID: 2-s2.0-50949083799
? Authors: De Cola Tomaso; Ernst Harald; Marchese Mario
? Source Id: 145242
? Author Ids: 10739364500;8379159300;7004398165

? Authoraffiliationids: 60025153;60007798;60025153

? Corresponding: De Cola T.

230.

? Title: Multi attribute sink selection techniques in satellite sensor networks: Study and performance evaluation

? Venue: 2006 International Workshop on Satellite and Space Communications Iwssc

? Year: 2006

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Iwssc.2006.256022

? Scopus ID: 2-s2.0-45149133139

? Pages: 193-197

? Authors: Bisio Igor; Marchese Mario; Portomauro Giancarlo

? Keywords: Multi attribute programming | Performance evaluation | Satellite sensor network

? Source Id: 11700154645

? Author Ids: 8546192900;7004398165;15128054100

? Authoraffiliationids: 60000251-60025153;60000251-60025153;60025153

? Corresponding: Bisio I.

231.

? Title: Application-layer techniques for data communications over deep space networks

? Venue: 2006 International Workshop on Satellite and Space Communications Iwssc

? Year: 2006

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Iwssc.2006.256026

? Scopus ID: 2-s2.0-45149085884

? Pages: 209-214

? Authors: De Cola Tomaso; Ernst Harald; Marchese Mario

? Source Id: 11700154645

? Author Ids: 10739364500;8379159300;7004398165

? Authoraffiliationids: 60025153;60007798;60025153

? Corresponding: De Cola T.

232.

? Title: Joint application of CCSDS file delivery protocol and erasure coding schemes over space communications

? Venue: IEEE International Conference on Communications

? Year: 2006

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 8

? Doi: 10.1109/Icc.2006.254999

? Scopus ID: 2-s2.0-42549161610

? Issn: 05361486

? Volume: 4

? Pages: 1909-1914

? Authors: De Cola Tomaso; Erns Harald; Marchese Mario

? Keywords: CFDP | Erasure coding | Satellite communication | Transport layer

? Source Id: 33201

? Author Ids: 10739364500;8379159300;7004398165

? Authoraffiliationids: 60025153;60007798;60025153

? Corresponding: De Cola T.

233.

? Title: Bandwidth allocation strategies for TCP/IP traffic over high altitude platform: A multi-objective programming approach
? Venue: IEEE International Conference on Communications
? Year: 2006
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/lcc.2006.255000
? Scopus ID: 2-s2.0-42549118193
? Issn: 05361486
? Volume: 4
? Pages: 1915-1920
? Authors: Bisio Igor; Marchese Mario
? Keywords: Dynamic bandwidth allocation | HAP | Multi-objective programming | Performance evaluation | TCP
? Source Id: 33201
? Author Ids: 8546192900;7004398165
? Authoraffiliationids: 60000251-60025153;60000251-60025153
? Corresponding: Bisio I.

234.

? Title: Information distribution techniques in sensor networks via satellite
? Venue: IEEE International Conference on Communications
? Year: 2006
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Doi: 10.1109/lcc.2006.254993
? Scopus ID: 2-s2.0-34547300637
? Issn: 05361486
? Volume: 4
? Pages: 1873-1878
? Authors: Bisio Igor; Marchese Mario; Portomauro Giancarlo; Mursia Agatino
? Keywords: Multi attribute programming | Satellite channels | Sensor network
? Source Id: 33201
? Author Ids: 8546192900;7004398165;15128054100;15128056300
? Authoraffiliationids: 60000251-60025153;60000251-60025153;60025153;122327101
? Corresponding: Bisio I.

235.

? Title: An integrated testbed for wireless advanced transport protocols and architectures
? Venue: 2nd International Conference on Testbeds and Research Infrastructures for the Development of Networks and Communities Tridentcom 2006
? Year: 2006
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/Tridnt.2006.1649193
? Scopus ID: 2-s2.0-33847164461
? Volume: 2006
? Pages: 526-529
? Authors: Bon Alessandro; Caini Carlo; De Cola Tomaso; Firrincieli Rosario; Lacamera Daniele; Marchese Mario
? Source Id: 5200153014

? Author Ids: 15921971200;6701493219;10739364500;6506694454;15923087000;7004398165
? Authoraffiliationids: 60028218;60028218;60025153;60028218;60028218;60025153
? Corresponding: Bon A.

236.

? Title: An integrated testbed for wireless advanced transport protocols and architectures
? Venue: 2nd International Conference on Testbeds and Research Infrastructures for the Development of Networks and Communities Tridentcom 2006
? Year: 2006
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 6
? Doi: 10.1109/Tridnt.2006.1649192
? Scopus ID: 2-s2.0-33847130485
? Volume: 2006
? Pages: 522-525
? Authors: Bon Alessandro; Caini Carlo; De Cola Tomaso; Firrincieli Rosario; Lacamera Daniele; Marchese Mario
? Source Id: 5200153014
? Author Ids: 15921971200;6701493219;10739364500;6506694454;15923087000;7004398165
? Authoraffiliationids: 60028218;60028218;60025153;60028218;60028218;60025153
? Corresponding: Bon A.

237.

? Title: Discrete stochastic programming by infinitesimal perturbation analysis: The case of resource allocation in satellite networks with fading
? Venue: IEEE Transactions on Wireless Communications
? Year: 2006
? Type: Journal
? Subtype: Article
? Citations: 4
? Doi: 10.1109/Twc.2006.1687749
? Scopus ID: 2-s2.0-33748587593
? Issn: 15361276
? Volume: 5
? Issue: 9
? Pages: 2312-2316
? Authors: Davoli Franco; Marchese Mario; Mongelli Maurizio
? Keywords: Fade countermeasures | Gradient estimation | Resource allocation | Satellite networks
? Quartile:
2025:
? Applied Mathematics (Q1, rank 8, percentile 98)
? Electrical and Electronic Engineering (Q1, rank 35, percentile 96)
? Computer Science Applications (Q1, rank 42, percentile 95)
? Source Id: 18933
? Author Ids: 57220364548;7004398165;7005882346
? Authoraffiliationids: 60000251-60025153;60000251-60025153;60000251-60025153
? Corresponding: Davoli F.

238.

? Title: On-line bandwidth control for quality of service mapping over satellite independent service access points
? Venue: Computer Networks
? Year: 2006
? Type: Journal

? Subtype: Article
? Citations: 24
? DOI: 10.1016/j.comnet.2005.10.006
? Scopus ID: 2-s2.0-33745146202
? Issn: 13891286
? Volume: 50
? Issue: 12
? Pages: 2088-2111
? Authors: Marchese Mario; Mongelli Maurizio
? Keywords: Bandwidth tuning | Fading countermeasures | On-line network control | QoS interworking architecture | QoS mapping | Satellite communications
? Quartile:
2025:
? Computer Networks and Communications (Q1, rank 96, percentile 82)
? Source Id: 26811
? Author Ids: 7004398165;7005882346
? Authoraffiliationids: 60025153;60025153
? Corresponding: Marchese M.

239.

? Title: Erratum: Resource allocation in satellite networks: Certainty equivalent approaches versus sensitivity estimation algorithms (International Journal of Communication Systems (2005) 18:1 (3-36))
? Venue: International Journal of Communication Systems
? Year: 2006
? Type: Journal
? Subtype: Erratum
? Citations: 0
? DOI: 10.1002/dac.739
? Scopus ID: 2-s2.0-32144457534
? Issn: 10745351
? Volume: 19
? Issue: 1
? Pages: 115
? Authors: Davoli Franco; Marchese Mario; Mongelli Maurizio
? Quartile:
2025:
? Electrical and Electronic Engineering (Q2, rank 309, percentile 69)
? Computer Networks and Communications (Q2, rank 171, percentile 68)
? Source Id: 17964
? Author Ids: 57220364548;7004398165;7005882346
? Corresponding: Davoli F.

240.

? Title: MPLS versus IP for interworking of wide area subsystems with QoS guarantees
? Venue: Second International Conference on Wireless and Mobile Communications Icwmc 2006
? Year: 2006
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Icwmc.2006.65
? Scopus ID: 2-s2.0-42649146568
? Pages: 26
? Authors: Marchese Mario; Mongelli Maurizio; Garibbo Alessandro; Raviola Annamaria
? Source Id: 6300153128

? Author Ids: 7004398165;7005882346;6506630356;6507642471
? Authoraffiliationids: 60025153;60025153;60083763;60083763
? Corresponding: Marchese M.

241.

? Title: IPV4 versus IPV6 interworking with QoS guarantees
? Venue: Proceedings IEEE Military Communications Conference MILCOM
? Year: 2006
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Milcom.2006.302082
? Scopus ID: 2-s2.0-35148842438
? Authors: Marchese Mario; Raviola Annamaria; Mongelli Maurizio; Garibbo Alessandro; Gesmundo Vincenzo
? Source Id: 87683
? Author Ids: 7004398165;6507642471;7005882346;6506630356;16024577500
? Authoraffiliationids: 60025153;60083763;60025153;60083763;60083763
? Corresponding: Marchese M.

242.

? Title: Study and performance evaluation of bandwidth controls over high altitude platforms
? Venue: Proceedings IEEE Symposium on Computers and Communications
? Year: 2006
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Iscc.2006.155
? Scopus ID: 2-s2.0-34547328715
? Issn: 15301346
? Pages: 641-646
? Authors: Bisio Igor; Marchese Mario
? Keywords: Dynamic bandwidth allocation | HAP communications | Multi-objective programming | Pareto optimality | Performance evaluation | TCP
? Quartile:
2025:
? Mathematics (all) (Q2, rank 119, percentile 71)
? Signal Processing (Q3, rank 107, percentile 45)
? Computer Networks and Communications (Q3, rank 310, percentile 43)
? Computer Science Applications (Q3, rank 626, percentile 36)
? Software (Q3, rank 334, percentile 33)
? Source Id: 18707
? Author Ids: 8546192900;7004398165
? Authoraffiliationids: 60000251-60025153;60000251-60025153
? Corresponding: Bisio I.

243.

? Title: Modifications of the slow start algorithm to improve tcp performance over large delay satellite channels
? Venue: IETE Journal of Research
? Year: 2006
? Type: Journal
? Subtype: Article
? Citations: 3
? Doi: 10.1080/03772063.2006.11416449
? Scopus ID: 2-s2.0-33646514219

? Issn: 03772063
? eISSN: 0974780X
? Volume: 52
? Issue: 2-3
? Pages: 121-137
? Authors: Marchese Mario
? 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: 7004398165
? Authoraffiliationids: 60025153
? Corresponding: Marchese M.

244.

? Title: Study and performance analysis of transport layer mechanisms applied in military radio environment
? Venue: Computers and Electrical Engineering
? Year: 2006
? Type: Journal
? Subtype: Article
? Citations: 0
? DOI: 10.1016/j.compeleceng.2006.01.018
? Scopus ID: 2-s2.0-33646512812
? Issn: 00457906
? Volume: 32
? Issue: 1-3
? Pages: 241-265
? Authors: de Cola Tomaso; Marchese Mario
? Keywords: Military environment | Radio channel modelling | Tactical networks | TCP-IP | Transport layer
? Quartile:
2025:
? Control and Systems Engineering (Q1, rank 30, percentile 92)
? Electrical and Electronic Engineering (Q1, rank 81, percentile 91)
? Computer Science (all) (Q1, rank 24, percentile 90)
? Source Id: 18159
? Author Ids: 10739364500;7004398165
? Authoraffiliationids: 60025153;60025153
? Corresponding: de Cola T.

245.

? Title: Recent advances in wireless networks and systems
? Venue: Computers and Electrical Engineering
? Year: 2006
? Type: Journal
? Subtype: Editorial
? Citations: 4
? DOI: 10.1016/j.compeleceng.2006.01.001
? Scopus ID: 2-s2.0-33646499860
? Issn: 00457906
? Volume: 32
? Issue: 1-3
? Pages: 1-6

? Authors: Obaidat Mohammad S.; Marchese Mario
? Quartile:
2025:
? Control and Systems Engineering (Q1, rank 30, percentile 92)
? Electrical and Electronic Engineering (Q1, rank 81, percentile 91)
? Computer Science (all) (Q1, rank 24, percentile 90)
? Source Id: 18159
? Author Ids: 7005628795;7004398165
? Authoraffiliationids: 60029216;60025153
? Corresponding: Obaidat M.S.

246.

? Title: Analytical approximations of the TCP throughput and Packet Loss Probability in multi-service communication networks
? Venue: International Symposium on Performance Evaluation of Computer and Telecommunication Systems 2005 Spectra 05 Part of the 2005 Summer Simulation Multiconference Summersim 05
? Year: 2005
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-84870035442
? Pages: 86-95
? Authors: Bisio Igor; Marchese Mario
? Keywords: Closed Form Approximation | Packet Loss Probability | Performance Evaluation | TCP | Throughput
? Source Id: 21100220412
? Author Ids: 8546192900;7004398165
? Authoraffiliationids: 60025153;60025153
? Corresponding: Bisio I.

247.

? Title: The implementation of erasure coding schemes in CCSDS file delivery protocol for reliable communications in hazardous satellite environments
? Venue: International Symposium on Performance Evaluation of Computer and Telecommunication Systems 2005 Spectra 05 Part of the 2005 Summer Simulation Multiconference Summersim 05
? Year: 2005
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-84870029627
? Pages: 29-35
? Authors: De Cola Tomaso; Ernst Harald; Marchese Mario
? Keywords: CFDP | Erasure Coding | Satellite Communication | Transport layer
? Source Id: 21100220412
? Author Ids: 10739364500;8379159300;7004398165
? Authoraffiliationids: 60025153;60007798;60025153
? Corresponding: De Cola T.

248.

? Title: Adaptive rate control for QoS mapping at Satellite Independent Service Access Points
? Venue: International Symposium on Performance Evaluation of Computer and Telecommunication Systems 2005 Spectra 05 Part of the 2005 Summer Simulation Multiconference Summersim 05
? Year: 2005

? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-84870017073
? Pages: 19-26
? Authors: Marchese Mario; Mongelli Maurizio
? Keywords: Equivalent Bandwidth Control | QoS Mapping | Satellite QoS Architectures
? Source Id: 21100220412
? Author Ids: 7004398165;7005882346
? Authoraffiliationids: 60025153;60025153
? Corresponding: Marchese M.

249.

? Title: Management of VoIP and mission critical data traffic over heterogeneous military networks
? Venue: Proceedings IEEE Military Communications Conference MILCOM
? Year: 2005
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Milcom.2005.1606157
? Scopus ID: 2-s2.0-33847392507
? Volume: 2005
? Authors: Marchese Mario; Mongelli Maurizio; Raviola Annamaria; Gesmundo Vincenzo
? Source Id: 87683
? Author Ids: 7004398165;7005882346;6507642471;16024577500
? Authoraffiliationids: 60025153;60025153;60083763;60083763
? Corresponding: Marchese M.

250.

? Title: On-line bandwidth control for quality of service mapping in telecommunication networks
? Venue: Proceedings of the 44th IEEE Conference on Decision and Control and the European Control Conference Cdc Ecc 05
? Year: 2005
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Cdc.2005.1583365
? Scopus ID: 2-s2.0-33847216953
? Volume: 2005
? Pages: 7460-7465
? Authors: Marchese Mario; Mongelli Maurizio
? Source Id: 5200153019
? Author Ids: 7004398165;7005882346
? Authoraffiliationids: 60000251-60025153;60000251-60025153
? Corresponding: Marchese M.

251.

? Title: Analysis of the TCP round trip time over asymmetric DVB-RCS systems
? Venue: Globecom IEEE Global Telecommunications Conference
? Year: 2005
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Glocom.2005.1578375
? Scopus ID: 2-s2.0-33846615564

? Volume: 6
? Pages: 3248-3252
? Authors: Bisio Igor; Marchese Mario
? Keywords: Analytical analysis | DVB-RCS | Round trip time | Satellite network | Transmission control protocol
? Source Id: 145242
? Author Ids: 8546192900;7004398165
? Authoraffiliationids: 60000251-60025153;60000251-60025153
? Corresponding: Bisio I.

252.

? Title: Rate control optimization for bandwidth provision over satellite independent service access points
? Venue: Globecom IEEE Global Telecommunications Conference
? Year: 2005
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Doi: 10.1109/Glocom.2005.1578373
? Scopus ID: 2-s2.0-33846600034
? Volume: 6
? Pages: 3237-3241
? Authors: Marchese Mario; Mongelli Maurizio
? Keywords: Infinitesimal perturbation analysis | Measurement-based control | QoS interworking | Satellite QoS architectures
? Source Id: 145242
? Author Ids: 7004398165;7005882346
? Authoraffiliationids: 60000251-60025153;60000251-60025153
? Corresponding: Marchese M.

253.

? Title: On-line bandwidth control for quality of service mapping over satellite independent service access points
? Venue: 2nd International Symposium on Wireless Communications Systems 2005 Iswcs 2005 Conference Proceedings
? Year: 2005
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Iswcs.2005.1547806
? Scopus ID: 2-s2.0-33845332092
? Volume: 2005
? Pages: 739-743
? Authors: Marchese Mario; Mongelli Maurizio
? Keywords: Equivalent bandwidth | Measurement-based control | QoS interworking
? Source Id: 5100152411
? Author Ids: 7004398165;7005882346
? Authoraffiliationids: 60000251-60025153;60000251-60025153
? Corresponding: Marchese M.

254.

? Title: Data communication over challenged networks: Application of error control schemes in the delay tolerant network architectures
? Venue: 2nd International Symposium on Wireless Communications Systems 2005 Iswcs 2005 Conference Proceedings
? Year: 2005
? Type: Conference Proceeding

? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Iswcs.2005.1547817
? Scopus ID: 2-s2.0-33845328496
? Volume: 2005
? Pages: 790-794
? Authors: De Cola Tomaso; Ernst Harald; Marchese Mario
? Keywords: Deep space | DTN | Low density parity check codes | Satellite communication
? Source Id: 5100152411
? Author Ids: 10739364500;8379159300;7004398165
? Authoraffiliationids: 60025153;60007798;60025153
? Corresponding: De Cola T.

255.

? Title: Comparative performance evaluation for information distribution methods in satellite-based sensor networks
? Venue: 2nd International Symposium on Wireless Communications Systems 2005 Iswcs 2005 Conference Proceedings
? Year: 2005
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/Iswcs.2005.1547801
? Scopus ID: 2-s2.0-33845311888
? Volume: 2005
? Pages: 719-723
? Authors: Bisio Igor; Marchese Mario; Portomauro Giancarlo; Scapigliati Fabio; Mursia Agatino
? Keywords: Flooding schemes | Multi attribute programming | Performance evaluation | Satellite channels | Sensor network | Signalling
? Source Id: 5100152411
? Author Ids: 8546192900;7004398165;15128054100;15127975000;15128056300
? Authoraffiliationids: 60000251-60025153;60000251-60025153;60025153;60025153;60083763
? Corresponding: Bisio I.

256.

? Title: Bandwidth allocation in geostationary satellite faded channels for internet traffic
? Venue: 2nd International Symposium on Wireless Communications Systems 2005 Iswcs 2005 Conference Proceedings
? Year: 2005
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Iswcs.2005.1547837
? Scopus ID: 2-s2.0-33845307623
? Volume: 2005
? Pages: 878-882
? Authors: Bisio Igor; Marchese Mario
? Source Id: 5100152411
? Author Ids: 8546192900;7004398165
? Authoraffiliationids: 60000251-60025153;60000251-60025153
? Corresponding: Bisio I.

257.

? Title: Performance analysis of data transfer protocols over space communications
? Venue: IEEE Transactions on Aerospace and Electronic Systems

? Year: 2005
? Type: Journal
? Subtype: Article
? Citations: 36
? Doi: 10.1109/Taes.2005.1561883
? Scopus ID: 2-s2.0-29844451176
? Issn: 00189251
? Volume: 41
? Issue: 4
? Pages: 1200-1223
? Authors: de Cola Tomaso; Marchese Mario
? Quartile:
2025:
? Aerospace Engineering (Q1, rank 11, percentile 93)
? Electrical and Electronic Engineering (Q1, rank 109, percentile 89)
? Source Id: 17336
? Author Ids: 10739364500;7004398165
? Authoraffiliationids: 60025153;60025153
? Corresponding: de Cola T.

258.

? Title: Key technologies and applications of present and future satellite communications
? Venue: IEEE Wireless Communications
? Year: 2005
? Type: Journal
? Subtype: Editorial
? Citations: 6
? Doi: 10.1109/Mwc.2005.1522097
? Scopus ID: 2-s2.0-27644589699
? Issn: 15361284
? Volume: 12
? Issue: 5
? Pages: 8-9
? Authors: Marchese Mario; Jamalipour Abbas
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 24, percentile 97)
? Computer Science Applications (Q1, rank 29, percentile 97)
? Source Id: 18935
? Author Ids: 7004398165;7003564684
? Authoraffiliationids: 60025153-60000251;60025709-114039616-60000251
? Corresponding: Marchese M.

259.

? Title: Performance comparison of two resource allocation strategies in satellite environment
? Venue: IEEE International Conference on Communications
? Year: 2005
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-24144467458
? Issn: 05361486
? Volume: 3
? Pages: 1473-1477

? Authors: Bisio Igor; Marchese Mario
? Keywords: Performance comparison | Resource allocation | Traffic separation | Transmission Control Protocol
? Source Id: 33201
? Author Ids: 8546192900;7004398165
? Authoraffiliationids: 60025153;60025153
? Corresponding: Bisio I.

260.

? Title: Analytical analysis of TCP performance over geostationary satellite channel
? Venue: IEEE International Conference on Communications
? Year: 2005
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-24144465681
? Issn: 05361486
? Volume: 3
? Pages: 1454-1458
? Authors: Bisio Igor; Marchese Mario
? Keywords: Congestion control | Satellite communication | System performance | Transport protocols
? Source Id: 33201
? Author Ids: 8546192900;7004398165
? Authoraffiliationids: 60025153;60025153
? Corresponding: Bisio I.

261.

? Title: Neural decision making for decentralized pricing-based call admission control
? Venue: IEEE International Conference on Communications
? Year: 2005
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Scopus ID: 2-s2.0-24144462476
? Issn: 05361486
? Volume: 3
? Pages: 1556-1560
? Authors: Davoli F.; Marchese M.; Mongelli M.
? Keywords: Call Admission Control | Decentralized Control | Neural Networks | Utility-based Pricing
? Source Id: 33201
? Author Ids: 57220364548;7004398165;7005882346
? Authoraffiliationids: 100452925;100452925;100452925
? Corresponding: Davoli F.

262.

? Title: Neural approximation of open-loop feedback rate control in satellite networks
? Venue: IEEE Transactions on Neural Networks
? Year: 2005
? Type: Journal
? Subtype: Article
? Citations: 15
? Doi: 10.1109/Tnn.2005.853424
? Scopus ID: 2-s2.0-26844447144
? Issn: 10459227
? Volume: 16

? Issue: 5
? Pages: 1195-1211
? Authors: Baglietto Marco; Davoli Franco; Marchese Mario; Mongelli Maurizio
? Keywords: Functional optimization | Neural networks | Resource allocation | Satellite networks | Sensitivity estimation
? Source Id: 24243
? Author Ids: 36198025300;57220364548;7004398165;7005882346
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Baglietto M.

263.

? Title: Resource allocation in satellite networks: Certainty equivalent approaches versus sensitivity estimation algorithms
? Venue: International Journal of Communication Systems
? Year: 2005
? Type: Journal
? Subtype: Article
? Citations: 12
? DOI: 10.1002/dac.686
? Scopus ID: 2-s2.0-13244271391
? Issn: 10745351
? Volume: 18
? Issue: 1
? Pages: 3-36
? Authors: Davoli Franco; Marchese Mario; Mongelli Maurizio
? Keywords: Dynamic programming | Optimization | Resource allocation | Satellite networks | Sensitivity estimation
? Quartile:
2025:
? Electrical and Electronic Engineering (Q2, rank 309, percentile 69)
? Computer Networks and Communications (Q2, rank 171, percentile 68)
? Source Id: 17964
? Author Ids: 57220364548;7004398165;7005882346
? Authoraffiliationids: 60025153;60103966;60025153
? Corresponding: Davoli F.

264.

? Title: MPLS-based QoS interworking among wide area subsystems
? Venue: Proceedings IEEE Military Communications Conference MILCOM
? Year: 2005
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/Milcom.2005.1606154
? Scopus ID: 2-s2.0-33847415463
? Volume: 2005
? Pages: 3232-3238
? Authors: Marchese Mario; Mongelli Maurizio; Garibbo Alessandro
? Source Id: 87683
? Author Ids: 7004398165;7005882346;6506630356
? Authoraffiliationids: 60025153;60025153;60083763
? Corresponding: Marchese M.

265.

? Title: E-CAP-ABASC versus CAP-ABASC: Comparison of two resource allocation strategies in satellite environment
? Venue: Space Communications

? Year: 2004
? Type: Journal
? Subtype: Article
? Citations: 5
? Scopus ID: 2-s2.0-28544442463
? Issn: 09248625
? Volume: 19
? Issue: 3-4
? Pages: 171-182
? Authors: Bisio Igor; Marchese Mario
? Keywords: Congestion control | Performance evaluation | Resource Allocation | TCP
? Source Id: 12897
? Author Ids: 8546192900;7004398165
? Authoraffiliationids: 60025153;60025153
? Corresponding: Bisio I.

266.

? Title: QoS guarantee in telecommunication networks: Technologies and solutions
? Venue: International Journal of Communication Systems
? Year: 2004
? Type: Journal
? Subtype: Article
? Citations: 4
? DOI: 10.1002/dac.683
? Scopus ID: 2-s2.0-10344267521
? Issn: 10745351
? Volume: 17
? Issue: 10
? Pages: 935-962
? Authors: Fortunato Enzo; Marchese Mario; Mongelli Maurizio; Raviola Annamaria
? Keywords: Performance evaluation | Quality of service (QoS) | Telecommunications networks
? Quartile:
2025:
? Electrical and Electronic Engineering (Q2, rank 309, percentile 69)
? Computer Networks and Communications (Q2, rank 171, percentile 68)
? Source Id: 17964
? Author Ids: 7102678743;7004398165;7005882346;6507642471
? Authoraffiliationids: 100501205;60025153;60025153;100501205
? Corresponding: Fortunato E.

267.

? Title: Guest Editorial: Broadband IP Networks via Satellites - Part II
? Venue: IEEE Journal on Selected Areas in Communications
? Year: 2004
? Type: Journal
? Subtype: Editorial
? Citations: 5
? Doi: 10.1109/Jsac.2004.823403
? Scopus ID: 2-s2.0-2142811571
? Issn: 07338716
? Volume: 22
? Issue: 3
? Pages: 433-437
? Authors: Jamalipour Abbas; Marchese Mario; Cruickshank Haitham S.; Neale Jason; Verma Satchandi N.; Bush A. M.

? Quartile:
2025:
? Computer Networks and Communications (Q1, rank 4, percentile 99)
? Electrical and Electronic Engineering (Q1, rank 8, percentile 99)
? Source Id: 18902
? Author Ids: 7003564684;7004398165;6603896799;22944868500;57216120709;57198013833
? Authoraffiliationids: 60025709;60025153;60021097;100324223;60025209;
? Corresponding: Jamalipour A.

268.

? Title: PETRA: Performance Enhancing Transport Architecture for Satellite Communications
? Venue: IEEE Journal on Selected Areas in Communications
? Year: 2004
? Type: Journal
? Subtype: Article
? Citations: 50
? Doi: 10.1109/JSac.2003.819981
? Scopus ID: 2-s2.0-1342308211
? Issn: 07338716
? Volume: 22
? Issue: 2
? Pages: 320-332
? Authors: Marchese Mario; Rossi Michele; Morabito Giacomo
? Keywords: Delay effects | Satellite communications | Transport protocols
? Quartile:
2025:
? Computer Networks and Communications (Q1, rank 4, percentile 99)
? Electrical and Electronic Engineering (Q1, rank 8, percentile 99)
? Source Id: 18902
? Author Ids: 7004398165;35318599900;7004480329
? Authoraffiliationids: 60025153;60024690;60010146
? Corresponding: Marchese M.

269.

? Title: Broadband IP Networks via Satellites - Part I
? Venue: IEEE Journal on Selected Areas in Communications
? Year: 2004
? Type: Journal
? Subtype: Editorial
? Citations: 11
? Doi: 10.1109/JSac.2003.819968
? Scopus ID: 2-s2.0-1342265652
? Issn: 07338716
? Volume: 22
? Issue: 2
? Pages: 213-217
? Authors: Jamalipour Abbas; Marchese Mario; Cruickshank Haitham S.; Neale Jason; Verma Satchandi N.; Bush A. M.
? Quartile:
2025:
? Computer Networks and Communications (Q1, rank 4, percentile 99)
? Electrical and Electronic Engineering (Q1, rank 8, percentile 99)
? Source Id: 18902
? Author Ids: 7003564684;7004398165;6603896799;22944868500;57216120709;57198013833
? Authoraffiliationids: 60025709;60025153;60021097;100324223;60025209;

? Corresponding: Jamalipour A.

270.

? Title: Equivalent bandwidth control for the mapping of quality of service in heterogeneous networks
? Venue: IEEE International Conference on Communications
? Year: 2004
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 7
? DOI: 10.1109/icc.2004.1312861
? Scopus ID: 2-s2.0-4143111349
? Issn: 05361486
? Volume: 4
? Pages: 1948-1952
? Authors: Marchese Mario; Garibbo Alessandro; Davoli Franco; Mongelli Maurizio
? Keywords: Equivalent Bandwidth Control | Infinitesimal Perturbation Analysis | QoS Interworking | Quality of Service
? Source Id: 33201
? Author Ids: 7004398165;6506630356;57220364548;7005882346
? Authoraffiliationids: 60025153;60083763;60025153;60025153
? Corresponding: Marchese M.

271.

? Title: Analytical expression and performance evaluation of TCP packet loss probability over geostationary satellite
? Venue: IEEE Communications Letters
? Year: 2004
? Type: Journal
? Subtype: Article
? Citations: 32
? Doi: 10.1109/Lcomm.2004.825723
? Scopus ID: 2-s2.0-2442533992
? Issn: 10897798
? Volume: 8
? Issue: 4
? Pages: 232-234
? Authors: Bisio Igor; Marchese Mario
? Keywords: Communication system performance | Flow control | Satellite communication | Transport protocols
? 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)
? Source Id: 18896
? Author Ids: 8546192900;7004398165
? Authoraffiliationids: 60103966;60103966
? Corresponding: Bisio I.

272.

? Title: Satellite dynamic bandwidth allocation by neural open loop-feedback control strategies
? Venue: Proceedings of the IEEE Conference on Decision and Control
? Year: 2004
? Type: Conference Proceeding
? Subtype: Conference Paper

? Citations: 0
? DOI: 10.1109/cdc.2004.1429601
? Scopus ID: 2-s2.0-14544301068
? Issn: 07431546
? eISSN: 25762370
? Volume: 5
? Pages: 5016-5021
? Authors: Baglietto Marco; Davoli Franco; Marchese Mario; Mongelli Maurizio
? Quartile:
2025:
? Control and Optimization (Q3, rank 90, percentile 49)
? Modeling and Simulation (Q3, rank 233, percentile 38)
? Control and Systems Engineering (Q3, rank 236, percentile 38)
? Source Id: 87424
? Author Ids: 36198025300;57220364548;7004398165;7005882346
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Baglietto M.

273.

? Title: Study and Performance Analysis of Transport Layer Mechanisms over LEO Satellite Environment
? Venue: Conference Record IEEE Global Telecommunications Conference
? Year: 2003
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 9
? Scopus ID: 2-s2.0-0842311058
? Volume: 2
? Pages: 651-655
? Authors: De Cola Tomaso; Marchese Mario
? Source Id: 145242
? Author Ids: 10739364500;7004398165
? Authoraffiliationids: 60025153;60025153
? Corresponding: De Cola T.

274.

? Title: A proposal of new price-based Call Admission Control rules for Guaranteed Performance services multiplexed with Best Effort traffic
? Venue: Computer Communications
? Year: 2003
? Type: Journal
? Subtype: Article
? Citations: 9
? Doi: 10.1016/S0140-3664(03)00032-X
? Scopus ID: 2-s2.0-0038053166
? Issn: 01403664
? Volume: 26
? Issue: 13 Spec.
? Pages: 1470-1483
? Authors: Baglietto Marco; Bolla Raffaele; Davoli Franco; Marchese Mario; Mongelli Maurizio
? Keywords: Asynchronous Transfer Mode | Best Effort services | Call Admission Control | Flow control | Guaranteed Performance services | IP Quality of Service | Pricing | Proportional Fairness
? Quartile:
2025:

? Computer Networks and Communications (Q1, rank 50, percentile 90)
? Source Id: 13681
? Author Ids: 36198025300;7006403406;57220364548;7004398165;7005882346
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Baglietto M.

275.

? Title: Mapping the quality of service over heterogeneous networks: A proposal about architectures and bandwidth allocation
? Venue: IEEE International Conference on Communications
? Year: 2003
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 5
? Scopus ID: 2-s2.0-0037632624
? Issn: 05361486
? Volume: 3
? Pages: 1690-1694
? Authors: Garibbo Alessandro; Marchese Mario; Mongelli Maurizio
? Keywords: Equivalent Bandwidth | QoS Mapping | QoS Relay Entitles | QoS Technologies
? Source Id: 33201
? Author Ids: 6506630356;7004398165;7005882346
? Authoraffiliationids: 60084299;60025153;60025153
? Corresponding: Garibbo A.

276.

? Title: TCP/IP-based Protocols over Satellite Systems: A Telecommunication Issue
? Venue: Reliability Survivability and Quality of Large Scale Telecommunication Systems Case Study Olympic Games
? Year: 2003
? Type: Book
? Subtype: Book Chapter
? Citations: 9
? Scopus ID: 2-s2.0-85211383782
? Pages: 167-198
? Authors: Marchese Mario
? Source Id: 21101274924
? Author Ids: 7004398165
? Authoraffiliationids: 132254978
? Corresponding: Marchese M.

277.

? Title: Best-Effort and Guaranteed performance services in telecommunications networks: Pricing and Call Admission Control techniques
? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics
? Year: 2003
? Type: Book Series
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.1007/3-540-36480-3_19
? Scopus ID: 2-s2.0-65349155440
? Issn: 03029743
? eISSN: 16113349
? Volume: 2601
? Pages: 261-275
? Authors: Baglietto Marco; Bolla Raffaele; Davoli Franco; Marchese Mario; Mongelli

Maurizio

? Quartile:

2025:

? Theoretical Computer Science (Q3, rank 70, percentile 48)

? Computer Science (all) (Q3, rank 129, percentile 46)

? Source Id: 25674

? Author Ids: 36198025300;7006403406;57220364548;7004398165;7005882346

? Authoraffiliationids: 124537474;124537474;124537474;60025153;60025153

? Corresponding: Baglietto M.

278.

? Title: Special Issue on Satellite IP Quality of Service

? Venue: International Journal of Satellite Communications and Networking

? Year: 2003

? Type: Journal

? Subtype: Editorial

? Citations: 1

? DOI: 10.1002/sat.764

? Scopus ID: 2-s2.0-0346964270

? Issn: 15420973

? Volume: 21

? Issue: 4-5

? Pages: 299-301

? Authors: Kota Sastri; Marchese Mario

? Quartile:

2025:

? Media Technology (Q2, rank 21, percentile 72)

? Electrical and Electronic Engineering (Q2, rank 374, percentile 62)

? Source Id: 19924

? Author Ids: 7006166997;7004398165

? Authoraffiliationids: 60058524;

? Corresponding: Kota S.

279.

? Title: Quality of service for satellite IP networks: A survey

? Venue: International Journal of Satellite Communications and Networking

? Year: 2003

? Type: Journal

? Subtype: Review

? Citations: 44

? DOI: 10.1002/sat.765

? Scopus ID: 2-s2.0-0346686175

? Issn: 15420973

? Volume: 21

? Issue: 4-5

? Pages: 303-349

? Authors: Kota Sastri; Marchese Mario

? Keywords: DAMA | DiffServ | IntServ | MPLS | QoS | Satellite IP | Spread ALOHA | TCP
| UDP

? Quartile:

2025:

? Media Technology (Q2, rank 21, percentile 72)

? Electrical and Electronic Engineering (Q2, rank 374, percentile 62)

? Source Id: 19924

? Author Ids: 7006166997;7004398165

? Authoraffiliationids: 60058524;60025153

? Corresponding: Kota S.

280.

? Title: Integration of pricing models between best-effort and guaranteed performance services in telecommunication networks

? Venue: Control Engineering Practice

? Year: 2003

? Type: Journal

? Subtype: Article

? Citations: 3

? Doi: 10.1016/S0967-0661(03)00055-8

? Scopus ID: 2-s2.0-0141993423

? Issn: 09670661

? Volume: 11

? Issue: 10

? Pages: 1209-1226

? Authors: Baglietto Marco; Bolla Raffaele; Davoli Franco; Marchese Mario; Mongelli Maurizio

? Keywords: ATM | Best-effort services | Call admission control | Flow control | Guaranteed performance services | IP quality of service | Pricing | Proportional fairness

? Quartile:

2025:

? Applied Mathematics (Q1, rank 28, percentile 95)

? Electrical and Electronic Engineering (Q1, rank 143, percentile 85)

? Control and Systems Engineering (Q1, rank 58, percentile 84)

? Computer Science Applications (Q1, rank 171, percentile 82)

? Source Id: 18174

? Author Ids: 36198025300;7006403406;57220364548;7004398165;7005882346

? Authoraffiliationids: 60025153;60025153;60025153;60103966;60025153

? Corresponding: Baglietto M.

281.

? Title: Bandwidth allocation in a multiservice satellite network based on long-term weather forecast scenarios

? Venue: Computer Communications

? Year: 2002

? Type: Journal

? Subtype: Article

? Citations: 6

? Doi: 10.1016/S0140-3664(02)00018-X

? Scopus ID: 2-s2.0-0036643084

? Issn: 01403664

? Volume: 25

? Issue: 11-12

? Pages: 1037-1046

? Authors: Bolla Raffaele; Celandroni Nedo; Davoli Franco; Ferro Erina; Marchese Mario

? Keywords: Bandwidth control | Fade | Performance thresholds | Rain probability | Satellite communications

? Quartile:

2025:

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

? Source Id: 13681

? Author Ids: 7006403406;7003794458;57220364548;56205423500;7004398165

? Authoraffiliationids: 60025153;60021199;60025153;60021199;60025153

? Corresponding: Bolla R.

282.

? Title: An applied research study for the provision of a QoS-oriented environment for voice and video services over satellite networks
? Venue: Computer Communications
? Year: 2002
? Type: Journal
? Subtype: Article
? Citations: 4
? Doi: 10.1016/S0140-3664(02)00027-0
? Scopus ID: 2-s2.0-0036643061
? Issn: 01403664
? Volume: 25
? Issue: 11-12
? Pages: 1113-1124
? Authors: Adami Davide; Marchese Mario; Ronga Luca Simone
? Keywords: Quality of Service | Satellite networks | TCP/IP
? Quartile:
2025:
? Computer Networks and Communications (Q1, rank 50, percentile 90)
? Source Id: 13681
? Author Ids: 13410812300;7004398165;6602959773
? Authoraffiliationids: 60028868;60025153;60021859
? Corresponding: Adami D.

283.

? Title: A packet-switching satellite emulator: A proposal about architecture and implementation
? Venue: IEEE International Conference on Communications
? Year: 2002
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 10
? Scopus ID: 2-s2.0-0036286121
? Issn: 05361486
? Volume: 5
? Pages: 3033-3037
? Authors: Marchese Mario; Perrando Marco
? Source Id: 33201
? Author Ids: 7004398165;6508292029
? Authoraffiliationids: 60025153;60025153
? Corresponding: Marchese M.

284.

? Title: A parametric approach to improve the performance of the transport layer in satellite communications
? Venue: Conference Record IEEE Global Telecommunications Conference
? Year: 2001
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Scopus ID: 2-s2.0-0035688024
? Volume: 4
? Pages: 2682-2686
? Authors: Marchese Mario
? Source Id: 145242
? Author Ids: 7004398165

? Authoraffiliationids: 60025153

? Corresponding: Marchese M.

285.

? Title: TCP/IP-based multimedia applications and services over satellite links:
Experience from an ASI/CNIT project

? Venue: IEEE Personal Communications

? Year: 2001

? Type: Journal

? Subtype: Article

? Citations: 15

? Doi: 10.1109/98.930093

? Scopus ID: 2-s2.0-0035362822

? Issn: 10709916

? Volume: 8

? Issue: 3

? Pages: 20-27

? Authors: Adami Davide; Marchese Mario; Ronga Luca Simone

? Source Id: 80015

? Author Ids: 13410812300;7004398165;6602959773

? Authoraffiliationids: 60028868;60025153;60021859

? Corresponding: Adami D.

286.

? Title: QoS-aware routing in ATM and IP-over-ATM

? Venue: Computer Communications

? Year: 2001

? Type: Journal

? Subtype: Article

? Citations: 5

? Doi: 10.1016/S0140-3664(00)00354-6

? Scopus ID: 2-s2.0-0035340725

? Issn: 01403664

? Volume: 24

? Issue: 9

? Pages: 811-821

? Authors: Bolla R.; Davoli F.; Marchese M.; Perrando M.

? Keywords: Asynchronous transfer mode | Quality-of-Service | Routing

? Quartile:

2025:

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

? Source Id: 13681

? Author Ids: 7006403406;57220364548;7004398165;6508292029

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Bolla R.

287.

? Title: Performance analysis of the TCP behavior in a geo satellite environment

? Venue: Computer Communications

? Year: 2001

? Type: Journal

? Subtype: Article

? Citations: 14

? Doi: 10.1016/S0140-3664(00)00361-3

? Scopus ID: 2-s2.0-0035340234

? Issn: 01403664

? Volume: 24

? Issue: 9
? Pages: 877-888
? Authors: Marchese M.
? Keywords: Internetworking | Satellite environment | TCP/IP
? Quartile:
2025:
? Computer Networks and Communications (Q1, rank 50, percentile 90)
? Source Id: 13681
? Author Ids: 7004398165
? Authoraffiliationids: 60025153
? Corresponding: Marchese M.

288.

? Title: Evaluation and comparison of cell loss and delay models for ATM multiplexers
? Venue: Telecommunication Systems
? Year: 2001
? Type: Journal
? Subtype: Article
? Citations: 1
? DOI: 10.1023/a:1009098627820
? Scopus ID: 2-s2.0-27144532862
? Issn: 10184864
? Volume: 16
? Issue: 1-2
? Pages: 41-54
? Authors: Bolla Raffaele; Davoli Franco; Marchese Mario
? Keywords: ATM multiplexing | Performance evaluation | Quality of service
? Quartile:
2025:
? Electrical and Electronic Engineering (Q2, rank 341, percentile 65)
? Source Id: 21916
? Author Ids: 7006403406;57220364548;7004398165
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Bolla R.

289.

? Title: Call admission control and routing of QoS-aware and best-effort flows in an IP-over-ATM networking environment
? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics
? Year: 2001
? Type: Book Series
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1007/3-540-44554-4_3
? Scopus ID: 2-s2.0-26844443988
? Issn: 03029743
? eISSN: 16113349
? Volume: 1989 LnCS
? Pages: 33-49
? Authors: Bolla Raffaele; Davoli Franco; Marchese Mario; Perrando Marco
? Quartile:
2025:
? Theoretical Computer Science (Q3, rank 70, percentile 48)
? Computer Science (all) (Q3, rank 129, percentile 46)
? Source Id: 25674

? Author Ids: 7006403406;57220364548;7004398165;6508292029

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Bolla R.

290.

? Title: TCP modifications over satellite channels: study and performance evaluation

? Venue: International Journal of Satellite Communications

? Year: 2001

? Type: Journal

? Subtype: Article

? Citations: 30

? DOI: 10.1002/sat.682

? Scopus ID: 2-s2.0-0035080213

? Issn: 07372884

? Volume: 19

? Issue: 1

? Pages: 93-110

? Authors: Marchese Mario

? Source Id: 70506

? Author Ids: 7004398165

? Authoraffiliationids: 60025153

? Corresponding: Marchese M.

291.

? Title: Proposal of a modified version of the slow start algorithm to improve TCP performance over large delay satellite channels

? Venue: IEEE International Conference on Communications

? Year: 2001

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 3

? Scopus ID: 2-s2.0-0034856860

? Issn: 05361486

? Volume: 10

? Pages: 3145-3149

? Authors: Marchese M.

? Source Id: 33201

? Author Ids: 7004398165

? Authoraffiliationids: 60025153

? Corresponding: Marchese M.

292.

? Title: Adaptive bandwidth allocation methods in the satellite environment

? Venue: IEEE International Conference on Communications

? Year: 2001

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 13

? Scopus ID: 2-s2.0-0034844159

? Issn: 05361486

? Volume: 10

? Pages: 3183-3190

? Authors: Bolla R.; Davoli F.; Marchese M.

? Source Id: 33201

? Author Ids: 7006403406;57220364548;7004398165

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Bolla R.

293.

? Title: Study and performance evaluation of TCP modifications and tuning over satellite links
? Venue: IEEE International Conference on Communications
? Year: 2000
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 7
? Scopus ID: 2-s2.0-0033700142
? Volume: 1
? Pages: 129-133
? Authors: Marchese Mario
? Source Id: 33201
? Author Ids: 7004398165
? Authoraffiliationids: 60025153
? Corresponding: Marchese M.

294.

? Title: Quality of Service guarantee in IP satellite environment: Experimental experience in the CNIT-ASI Project 'Integration of Multimedia Services on Heterogeneous Satellite Networks'
? Venue: Conference Record IEEE Global Telecommunications Conference
? Year: 2000
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Scopus ID: 2-s2.0-0034479992
? Volume: 2
? Pages: 1109-1113
? Authors: Adami Davide; Marchese Mario; Ronga Luca Simone
? Source Id: 145242
? Author Ids: 13410812300;7004398165;6602959773
? Authoraffiliationids: 60028868;60028868;60028868
? Corresponding: Adami D.

295.

? Title: Bandwidth allocation strategy for multimedia traffic in a satellite network
? Venue: Conference Record IEEE Global Telecommunications Conference
? Year: 2000
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 5
? Scopus ID: 2-s2.0-0034478627
? Volume: 2
? Pages: 1130-1134
? Authors: Bolla Raffaele; Davoli Franco; Marchese Mario
? Source Id: 145242
? Author Ids: 7006403406;57220364548;7004398165
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Bolla R.

296.

? Title: An integrated multiple access and hierarchical coding scheme for video communication on wireless networks
? Venue: European Transactions on Telecommunications
? Year: 2000
? Type: Journal

? Subtype: Article
? Citations: 0
? DOI: 10.1002/ett.4460110406
? Scopus ID: 2-s2.0-0041407002
? Issn: 1124318x
? Volume: 11
? Issue: 4
? Pages: 373-382
? Authors: Bolla Raffaele; Iscra Alessandro; Marchese Mario; Nobile Carlo; Zappatore Sandro
? Source Id: 18817
? Author Ids: 7006403406;6506869764;7004398165;36824831400;6602811400
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Bolla R.

297.

? Title: PCP: A bandwidth guaranteed transport service for IP networks
? Venue: IEEE International Conference on Communications
? Year: 1999
? Type: Conference Proceeding
? Subtype: Article
? Citations: 29
? Scopus ID: 2-s2.0-54249129050
? Issn: 05361486
? Volume: 1
? Pages: 671-675
? Authors: Borgonovo Flaminio; Capone Antonio; Fratta Luigi; Marchese Mario; Petrioli Chiara
? Source Id: 33201
? Author Ids: 7006653278;57201762539;7006835537;7004398165;6601979635
? Authoraffiliationids: 60023256;60023256;60023256;60023256;60023256
? Corresponding: Borgonovo F.

298.

? Title: Meteosat image processing for short-term cloud tracking
? Venue: Proceedings of SPIE the International Society for Optical Engineering
? Year: 1999
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-0033341403
? Issn: 0277786x
? Volume: 3871
? Pages: 84-95
? Authors: Iscra Alessandro; Marchese Mario; Zappatore Sandro
? 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: 6506869764;7004398165;6602811400
? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Iscra A.

299.

? Title: Distributed dynamic routing of virtual circuits in ATM networks under different admission control and bandwidth allocation policies

? Venue: International Journal of Parallel and Distributed Systems and Networks

? Year: 1999

? Type: Journal

? Subtype: Article

? Citations: 2

? Scopus ID: 2-s2.0-0033337011

? Issn: 12062138

? Volume: 2

? Issue: 4

? Pages: 225-234

? Authors: Bolla R.; Davoli F.; Marchese M.

? Source Id: 17986

? Author Ids: 7006403406;57220364548;7004398165

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Bolla R.

300.

? Title: MAC for WATM air interface: Impact of error control schemes on protocol design

? Venue: IEEE Vts 50th Vehicular Technology Conference Vtc 1999 Fall

? Year: 1999

? Type: Conference Proceeding

? Subtype: Article

? Citations: 5

? Scopus ID: 2-s2.0-0032687491

? Issn: 07400551

? Volume: 3

? Pages: 2064-2069

? Authors: Borgonovo Flaminio; Capone Antonio; Fratta Luigi; Marchese Mario

? Quartile:

2025:

? Applied Mathematics (Q2, rank 310, percentile 53)

? Electrical and Electronic Engineering (Q3, rank 545, percentile 45)

? Computer Science Applications (Q3, rank 603, percentile 38)

? Source Id: 23922

? Author Ids: 7006653278;57201762539;7006835537;7004398165

? Authoraffiliationids: 60023256;60023256;60023256;60023256

? Corresponding: Borgonovo F.

301.

? Title: A perceived quality of service optimization for video communication in ?best-effort? networks

? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics

? Year: 1998

? Type: Book Series

? Subtype: Conference Paper

? Citations: 2

? Doi: 10.1007/3-540-64594-2_108

? Scopus ID: 2-s2.0-84957696763

? Issn: 03029743

? eISSN: 16113349

? Volume: 1425

? Pages: 366-379
? Authors: Bolla Raffaele; Iscra Alessandro; Marchese Mario; Zappatore Sandro
? Quartile:
2025:
? Theoretical Computer Science (Q3, rank 70, percentile 48)
? Computer Science (all) (Q3, rank 129, percentile 46)
? Source Id: 25674
? Author Ids: 7006403406;6506869764;7004398165;6602811400
? Corresponding: Bolla R.

302.

? Title: Bandwidth allocation and admission control in ATM networks with service separation
? Venue: IEEE Communications Magazine
? Year: 1997
? Type: Journal
? Subtype: Article
? Citations: 40
? Doi: 10.1109/35.592107
? Scopus ID: 2-s2.0-0000295337
? Issn: 01636804
? Volume: 35
? Issue: 5
? Pages: 130-137
? Authors: Bolla Raffaele; Davoli Franco; Marchese Mario
? Quartile:
2025:
? Computer Networks and Communications (Q1, rank 21, percentile 96)
? Electrical and Electronic Engineering (Q1, rank 46, percentile 95)
? Computer Science Applications (Q1, rank 63, percentile 93)
? Source Id: 17249
? Author Ids: 7006403406;57220364548;7004398165
? Authoraffiliationids: 60025153-100452925;60025153-60004969;60025153
? Corresponding: Bolla R.

303.

? Title: A congestion control scheme for multimedia traffic in packet switching ?best-effort? networks
? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics
? Year: 1997
? Type: Book Series
? Subtype: Conference Paper
? Citations: 2
? DOI: 10.1007/bfb0037373
? Scopus ID: 2-s2.0-84947910182
? Issn: 03029743
? eISSN: 16113349
? Volume: 1242
? Pages: 523-536
? Authors: Bolla R.; Marchese M.; Zappatore S.
? Quartile:
2025:
? Theoretical Computer Science (Q3, rank 70, percentile 48)
? Computer Science (all) (Q3, rank 129, percentile 46)
? Source Id: 25674

? Author Ids: 7006403406;7004398165;6602811400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Bolla R.

304.

? Title: Integrated dynamic distributed routing and admission control in ATM networks
? Venue: International Journal of Communication Systems
? Year: 1997
? Type: Journal
? Subtype: Article
? Citations: 8
? Doi: 10.1002/(Sici)1099-1131(199709/10)10:5<215::Aid-Dac340>3.0.Co;2-3
? Scopus ID: 2-s2.0-0031224487
? Issn: 10745351
? Volume: 10
? Issue: 5
? Pages: 215-225
? Authors: Bolla R.; Dalal'ah A.; Davoli F.; Marchese M.; Obaidat M. S.
? Keywords: Admission control | ATM traffic control | Dynamic routing | Quality of service
? Quartile:
2025:
? Electrical and Electronic Engineering (Q2, rank 309, percentile 69)
? Computer Networks and Communications (Q2, rank 171, percentile 68)
? Source Id: 17964
? Author Ids: 7006403406;6602226713;57220364548;7004398165;7005628795
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60029216
? Corresponding: Bolla R.

305.

? Title: Dynamic self-healing routing strategy for ATM networks
? Venue: IEEE International Performance Computing Communications Conference Proceedings
? Year: 1997
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-0030694964
? Pages: 215-220
? Authors: Bolla R.; Dalal'ah A.; Davoli F.; Marchese M.; Obaidat M. S.
? Source Id: 13746
? Author Ids: 7006403406;6602226713;57220364548;7004398165;7005628795
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Bolla R.

306.

? Title: Node simulation tool for bandwidth allocation and CAC in ATM networks
? Venue: IEEE Symposium on Computers and Communications Proceedings
? Year: 1997
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-0030688715
? Volume: 2
? Pages: 354-358
? Authors: Bolla Raffaele; Dalal'ah Ahmad; Marchese Mario
? Source Id: 21100780552
? Author Ids: 7006403406;57191269980;7004398165

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Bolla R.

307.

? Title: Two Simulation Tools for Testing ATM Resource Allocation Strategies

? Venue: Simulation

? Year: 1997

? Type: Journal

? Subtype: Article

? Citations: 1

? Doi: 10.1177/003754979706800110

? Scopus ID: 2-s2.0-0030659298

? Issn: 00375497

? Volume: 68

? Issue: 1

? Pages: 9-22

? Authors: Bolla Raffaele; Dalal'ah Ahmad; Davoli Franco; Marchese Mario

? Keywords: ATM | Discrete-event simulation | Routing

? Quartile:

2025:

? Modeling and Simulation (Q2, rank 115, percentile 69)

? Computer Graphics and Computer-Aided Design (Q2, rank 48, percentile 63)

? Software (Q2, rank 218, percentile 56)

? Source Id: 14452

? Author Ids: 7006403406;6602226713;57220364548;7004398165

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Bolla R.

308.

? Title: Evaluation of a cell loss rate computation method in ATM multiplexers with multiple bursty sources and different traffic classes

? Venue: Conference Record IEEE Global Telecommunications Conference

? Year: 1996

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 6

? Scopus ID: 2-s2.0-0030348683

? Volume: 1

? Pages: 437-441

? Authors: Bolla R.; Davoli F.; Marchese M.

? Source Id: 145242

? Author Ids: 7006403406;57220364548;7004398165

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Bolla R.

309.

? Title: Implementation issues for congestion control in ATM networks

? Venue: Proceedings of the IEEE International Conference on Electronics Circuits and Systems

? Year: 1996

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? Scopus ID: 2-s2.0-0030348588

? Volume: 2

? Pages: 788-791

? Authors: Marchese M.; Curatelli F.; Chirico M.; Mangeruca L.

? Quartile:
2025:
? Electrical and Electronic Engineering (Q4, rank 913, percentile 8)
? Source Id: 91096
? Author Ids: 7004398165;57154509300;6603886234;55880151300
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Marchese M.

310.

? Title: The Tracking and Prediction of High Intensity Rainstorms
? Venue: Remote Sensing Reviews
? Year: 1996
? Type: Journal
? Subtype: Article
? Citations: 7
? Doi: 10.1080/02757259609532316
? Scopus ID: 2-s2.0-0030434039
? Issn: 02757257
? Volume: 14
? Issue: 1-3
? Pages: 151-183
? Authors: Bolla Raffaele; Boni Giorgio; Barbera Paolo L.A.; Lanza Luca; Marchese Mario; Zappatore Sandro
? Source Id: 92584
? Author Ids: 7006403406;7004208139;7004325623;7005744799;7004398165;6602811400
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Bolla R.

311.

? Title: Simple schemes for traffic integration at call set-up level in ATM networks
? Venue: Computer Communications
? Year: 1996
? Type: Journal
? Subtype: Article
? Citations: 3
? Doi: 10.1016/S0140-3664(96)01097-3
? Scopus ID: 2-s2.0-0030197751
? Issn: 01403664
? Volume: 19
? Issue: 8
? Pages: 645-652
? Authors: Bolla Raffaele; Davoli Franco; Marchese Mario
? Keywords: Admission control | Atm networks | Call set-up | Traffic integration pii
s0140366496010973
? Quartile:
2025:
? Computer Networks and Communications (Q1, rank 50, percentile 90)
? Source Id: 13681
? Author Ids: 7006403406;57220364548;7004398165
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Bolla R.

312.

? Title: Complete partitioning schemes for call access control in ATM networks
? Venue: IEEE International Conference on Communications
? Year: 1996
? Type: Conference Proceeding

? Subtype: Conference Paper
? Citations: 1
? Scopus ID: 2-s2.0-0029709225
? Issn: 15503607
? Volume: 2
? Pages: 751-756
? Authors: Bolla R.; Davoli F.; Marchese M.
? Source Id: 33201
? Author Ids: 7006403406;57220364548;7004398165
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Bolla R.

313.

? Title: Global control system for integrated admission control and routing in ATM networks
? Venue: Conference Record IEEE Global Telecommunications Conference
? Year: 1995
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Scopus ID: 2-s2.0-0029488494
? Volume: 1
? Pages: 437-443
? Authors: Bolla Raffaele; Davoli Franco; Marchese Mario
? Source Id: 145242
? Author Ids: 7006403406;57220364548;7004398165
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Bolla R.

314.

? Title: Quality of service management and control of multimedia applications: a scenario and two simple strategies
? Venue: Conference on Local Computer Networks
? Year: 1995
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Scopus ID: 2-s2.0-0029480573
? Issn: 07421303
? Pages: 336-341
? Authors: Bolla R.; Davoli F.; Marchese M.
? Source Id: 78307
? Author Ids: 7006403406;57220364548;7004398165
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Bolla R.

315.

? Title: Simple schemes for traffic integration at call set-up level in ATM networks
? Venue: Proceedings of the International Conference on Computer Communications and Networks ICCCN
? Year: 1995
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-0029424453
? Pages: 598-603
? Authors: Bolla R.; Davoli F.; Marchese M.

? Source Id: 57125
? Author Ids: 7006403406;57220364548;7004398165
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Bolla R.

316.

? Title: Characterizing bursty source models applied to admission control in ATM networks
? Venue: Proceedings of SPIE the International Society for Optical Engineering
? Year: 1995
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1117/12.201289
? Scopus ID: 2-s2.0-85076685341
? Issn: 0277786x
? eISSN: 1996756X
? Volume: 2450
? Pages: 68-80
? Authors: Bolla R.; Davoli F.; Marchese M.
? 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: 7006403406;57220364548;7004398165
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Bolla R.

317.

? Title: Prediction of short-term evolution of cloud formations based on Meteosat image sequences
? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics
? Year: 1995
? Type: Book Series
? Subtype: Conference Paper
? Citations: 7
? Doi: 10.1007/3-540-60298-4_331
? Scopus ID: 2-s2.0-79953839572
? Issn: 03029743
? eISSN: 16113349
? Volume: 974
? Pages: 677-682
? Authors: Bolla Raffaele; Marchese Mario; Nobile Carlo; Zappatore Sandro
? Quartile:
2025:
? Theoretical Computer Science (Q3, rank 70, percentile 48)
? Computer Science (all) (Q3, rank 129, percentile 46)
? Source Id: 25674
? Author Ids: 7006403406;7004398165;36824831400;6602811400
? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Bolla R.

318.

? Title: Distributed routing and access control scheme for ATM networks

? Venue: Conference Record International Conference on Communications

? Year: 1994

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 3

? Scopus ID: 2-s2.0-0028089623

? Issn: 05361486

? Volume: 1

? Pages: 44-50

? Authors: Bolla R.; Davoli F.; Marchese M.

? Source Id: 33201

? Author Ids: 7006403406;57220364548;7004398165

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Bolla R.

319.

? Title: Integrated dynamic resource allocation scheme for ATM networks

? Venue: Proceedings IEEE INFOCOM

? Year: 1993

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 17

? Scopus ID: 2-s2.0-0027147039

? Issn: 0743166x

? Volume: 3

? Pages: 1288-1292

? Authors: Bolla R.; Danovaro F.; Davoli F.; Marchese M.

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 147, percentile 85)

? Computer Science (all) (Q1, rank 42, percentile 82)

? Source Id: 18204

? Author Ids: 7006403406;6504556156;57220364548;7004398165

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Bolla R.