2026 Mediterranean Artificial Intelligence and Networking Conference (MAIN 2026)

Palermo, Italy
1-3 July 2026

IEEE Catalog Number: CFP26W69-POD
ISBN: 979-8-3195-2595-6

IEEE
Advancing Technology for Humanity

Copyright © 2026, IEEE

All Rights Reserved

Copyright and Reprint Permissions:

Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

*** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.

IEEE Catalog Number:	CFP26W69-POD
ISBN (Print-On-Demand):	979-8-3195-2595-6
ISBN (Online):	979-8-3195-2594-9
ISSN:	2996-4253

Additional Copies of This Publication Are Available From:

Curran Associates, Inc
57 Morehouse Lane
Red Hook, NY 12571 USA

Phone: (845) 758-0400
Fax: (845) 758-2633
E-mail: curran@proceedings.com
Web: www.proceedings.com

TABLE OF CONTENTS

Strategic Demand and Congestion Pricing in Shared Computation Systems 1
Pietro Meneghini, Riccardo Dal Maschio, Alessandro Buratto, Leonardo Badia

Towards Multi-Model LLM Schedulers: Empirical Insights Into Offloading and Preemption 9
Mert Yildiz, Pietro Spadaccino, Alexey Rolich, Francesca Cuomo, Andrea Baiocchi

Optimistic Online Caching with Switching Costs and Dynamic Batched Requests 19
Xufeng Zhang, Guodong Sun, Francescomaria Faticanti, Sara Alouf, Giovanni Neglia

Event-Driven Traffic Forecasting in FTTH Networks 28
Daniele Baccega, Paolo Castagno, Edoardo Acquarone, Matteo Sereno, Francesca Parasecolo Sara Mazzarella, Francesco Carpentieri, Claudio Valenti, Alessandro Dellaqueva

Trace: An Unsupervised Temporal Approach for Invalid Ad Traffic Detection 38
Jorge Marco-Blanco, Rubén Cuevas Rumín, Ángel Cuevas Rumín

Feasibility and Security of AAG-Type Key Exchange Protocols in 5G Networks 48
Kıvanç Ersoy, Giuseppe Filippone, Silvia Schilleci, Mariana Falco, Giovanni Falcone, Domenico Garlisi

On the Effects of Online Black-Box Attacks against Mobile Network Capacity Forecasters Under Temporal Constraints 57
Louis Miermont, Claudio Fiandrino, Guillermo Suarez-Tangil

Reducing Mobility Trace Identifiability via Stochastic Roaming in IEEE 802.11 Networks 67
Juan Manuel Montes-Lopez, Isabel Schweim, Marco Gramaglia, Pablo Serrano

Zigbee Vs. Matter Over Thread: Understanding IoT Protocol Performance in Practice 76
Massimo Nobile, Fabio Palmese, Antonio Boiano, Alessandro E. C. Redondi, Matteo Cesana

Wake Sound Spotting in Internet of Things 85
Manuele Favero, Leonardo Badia, Luciano Murrone, Sergio Canazza

Optimal Beam Partitioning and Scheduling for SWIPT Networks 95
Biagio Boi, Christian Esposito, Gustavo de Veciana

Delay-Doppler Domain Feature Extraction for Explainable Wi-Fi Activity Recognition via SVM 104
Elena Tonini, Renato Lo Cigno, Emanuele Viterbo

NeuroFlexMLP: A Low Complexity MLP Architecture for Long-Term Time Series Forecasting 113
Pablo Fernández Pérez, Claudio Fiandrino, Marco Fiore, Joerg Widmer

A Playground for Benchmarking Agentic AI in Network Management 122
Stefano Salsano, Andrea Mayer, Lorenzo Bracciale, Pierpaolo Loreti, Giuseppe Bianchi

TANGRAM-AI: An Intelligent Assistant for Performance Modeling and Learning-Based Control 131
Quentin Chambers, Théo C. Gounot, Gaspare Bruno, Edmundo De Souza e Silva, Rosa M.M. Leão

Layer Specialization in LSTM Networks for Smart Road-User Interaction Systems in Vehicular Networks 141
Nurnobi Hossain, Joannes Sam Mertens, Giacomo Morabito

Repeated Contention Scheduling: A Novel Resource Allocation Algorithm Toward 6G Vehicular Networks 149
Alexey Rolich, Marco Tricco, Simone Paroli, Mert Yildiz, Andrea Baiocchi

Hybrid Adaptive Fuzzy and Neuro-Fuzzy Based Intrusion Detection for Jamming Attacks in IoT Networks 159
Michael Savva, Iacovos Ioannou, Vasos Vassiliou

Enabling Classical Detectable Byzantine Broadcast and Consensus Through Quantum Error Correction Circuits 169
Farzam Nosrati, Nicolás Borrajo, Antonio Fernández Anta, Vincenzo Mancuso

xApp-Driven Multi-Metric Handover in 5G Open RAN with COTS User Equipment 179
Alessio Vicario, Antonino Pagano, Alessandra Dino, Daniele Croce, Ilenia Tinnirello

From 5G Single-Cell Signals to Pervasive Smartphone Positioning: A Real-World Study 188
Stavros Eleftherakis, Domenico Giustiniano, Yuxin Zhao, Xiaolin Jiang, Gustav Lindmark Fredrik Gunnarsson

Assessing the Technical Requisites for Carbon-Aware Routing: Routing Policy Support and RPKI Adoption 197
Filippo Orsi, Annalisa Laini, Yazan Isam Slaila, Alessandro Simonato, Antonia Affinito, Leonardo Maccari