

2025 36th International Teletraffic Congress (ITC-36 2025)

**Trondheim, Norway
2-5 June 2025**



**IEEE Catalog Number: CFP2558H-POD
ISBN: 979-8-3503-9304-0**

**Copyright © 2025, International Teletraffic Congress (ITC)
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:	CFP2558H-POD
ISBN (Print-On-Demand):	979-8-3503-9304-0
ISBN (Online):	978-3-948377-03-8
ISSN:	2835-6667

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

CURRAN ASSOCIATES INC.
proceedings
.com

TABLE OF CONTENTS

Scalable Verification of Routing Loops in Multi-Protocol Multi-Instance IP Networks.....	1
<i>Youcef Magnouche, Sébastien Martin, Jérémie Leguay, Cong Mei</i>	
Energy/Performance Trade-Off in RANs with Dynamic Management of Frequency Bands.....	6
<i>Diletta Olliaro, Michela Meo, Matteo Sereno, Andrea Marin, Marco Ajmone Marsan</i>	
A Fast Algorithm for Multiserver Queuing Systems with Setup Times and Power-Saving Modes.....	15
<i>Thu Le-Anh, Tuan Phung-Duc</i>	
On the Evolution of Home Gateways.....	24
<i>Tim Neubert, Rolf Winter, Jonas Winkler</i>	
Server Selection and Inference Rate Optimization in AoI-Driven Distributed Systems	33
<i>Leonardo Badia, Paolo Castagno, Vincenzo Mancuso, Matteo Sereno, Marco Ajmone Marsan</i>	
Network Sharing: A Pathway to Sustainability and Carbon Footprint Mitigation in Radio Access Networks	42
<i>Daniela Renga, Michela Meo, Loufı Nuaymi</i>	
Sender-Based Approach to Reducing the Bufferbloat in Heterogeneous 5G Networks.....	51
<i>Lukas Prause, Mark Akselrod</i>	
Dispatching Odyssey: Exploring Performance in Computing Clusters Under Real-World Workloads.....	56
<i>Mert Yildiz, Alexey Rolich, Andrea Baiocchi</i>	
DDoS on Repeat: Measuring Pulse-Wave DDoS in the Wild	65
<i>Daniel Kopp, Oliver Hohlfeld</i>	
Continuous Integration for Networks Supporting Low-Latency Using Hybrid Network Emulation.....	74
<i>Florian Wiedner, Dominik Kreutzer, Jonas Andre, Georg Carle</i>	
Providing Throughput Guarantees in Multi-Domain Networks in 6G	83
<i>Fidan Mehmeti, Wolfgang Kellerer</i>	
Mobility Aware Task Migration in Vehicular Edge Computing Networks	92
<i>Rim Sayegh, Hela Marouane, Sahar Hoteit, Abdulhalim Dandoush</i>	
A Discrete-Time Model of the 5G New Radio Uplink Channel.....	101
<i>Simon Raffeck, Sebastian G. Grøsvik, Laura Alexandra Becker, Stanislav Lange, Stefan Geissler, Thomas Zinner, Wolfgang Kellerer, Tobias Hossfeld</i>	

Author Index