

2024 IEEE International Workshop Technical Committee on Communications Quality and Reliability (CQR 2024)

**Seattle, Washington, USA
9-12 September 2024**



**IEEE Catalog Number: CFP24CQR-POD
ISBN: 979-8-3315-4073-9**

**Copyright © 2024 by the Institute of Electrical and Electronics Engineers, Inc.
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:	CFP24CQR-POD
ISBN (Print-On-Demand):	979-8-3315-4073-9
ISBN (Online):	979-8-3315-4072-2
ISSN:	2163-5595

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

All times listed are in Eastern Daylight Time (EDT).

Wednesday, September 11 11:10 - 12:10

Technical Paper Session 1

Service Function Chain Description Scheme in Named Data Networking..... 1

Haruto Kobayashi and Hidenori Nakazato (Waseda University, Japan)

Multi-Armed Bandits in IEEE 802.11ac: Efficient Algorithms and Testbed Experiments..... 7

Martin Le and Bile Peng (TU Braunschweig, Germany); Sankalp Prakash Pawar (Hochschule Nordhausen, Germany); Eduard A Jorswieck (Technische Universität Braunschweig, Germany); Peter Auer (University of Leoben, Austria); Prashiddha D Thapa (Fraunhofer HHI, Germany); Thomas Hühn (University of Applied Sciences Nordhausen, Germany)

Implementation of NVMe over TCP Using SPDK and Its Performance Measurement..... 13

Kohei Shiimoto and Tatsuki Oyama (Tokyo City University, Japan)

Wednesday, September 11 14:55 - 15:55

Technical Paper Session 2

PyRBD: An Open-Source Reliability Block Diagram Evaluation Tool..... 19

Shakthivelu Janardhanan and Sareh Badnava (Technical University of Munich, Germany); Ritanshi Agarwal (University of the Bundeswehr, Munich, Germany); Carmen Mas-Machuca (University of the Bundeswehr Munich (UniBW), Germany)

Impact of Data Compression on Downstream AI Tasks: A Study Using Teleoperated Driving over 5G..... 25

Qixin Zhang (University of Minnesota, Twin Cities, USA); Steven Sleder (University of Minnesota Twin Cities, USA); Xinyue Hu (University of Minnesota, USA); Faaïq Bilal (University of Minnesota, Twin Cities, USA); Wei Ye (University of Minnesota Twin Cities, USA); Zhi-Li Zhang (University of Minnesota, USA)

On the Practicality of Hardware Acceleration for Lightweight Block Ciphers..... 31

Zachary Neal and Ana E Goulart (Texas A&M University, USA); Anitha Chennamaneni (Texas A&M University - Central Texas, USA)