Welcome

1st SIGCOMM Workshop on eBPF and Kernel Extensions

Association for Computing Machinery

eBPF

SIGCO
2023 New York City

1st SIGCOMM Workshop on eBPF and Kernel Extensions

Workshop Goals

- We aim to offer a dedicated space for **academic** work in this area, fostering collaboration between academics and industry professionals (given the abundance of industry-focused venues).

- Facilitate interdisciplinary discussions on problems and solutions.

- Offer a valuable opportunity for learning, networking, and exchanging ideas within the same community.
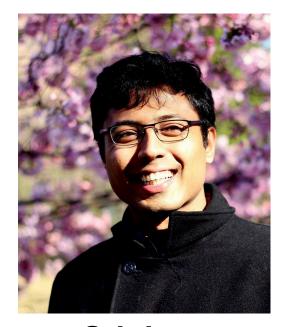
Organizing Committee

Sebastiano Miano

Politecnico di Milano, Italy

Srinivas Narayana

Rutgers University, USA

Gianni Antichi

Politecnico di Milano, Italy

Aurojit Panda

New York University, USA

Technical Program Committee – 20 Members

Anirudh Sivaraman (NYU)

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Elazar Gershuni (Technion)

Fulvio Risso (Politecnico di Torino)

Gábor Rétvári (Budapest University of Technology and Economics)

Neil Spring (Meta)

Olivier Bonaventure (UCLouvain)

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Paul Chaignon (Isovalent)

Quentin De Coninck (UCLouvain)

Roberto Bifulco (NEC Laboratories Europe)

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Santosh Nagarakatte (Rutgers University)

Sayandeep Sen (IBM Research India)

Simone Ferlin-Reiter (Ericsson AB)

Tamás Lévai (Budapest University of Technology and Economics)

Theophilus Benson (Carnegie Mellon University)

Toke Høiland-Jørgensen (Red Hat)

Tom Barbette (UCLouvain)

Xiaoqi Chen (Princeton University)

Review Process

- All submissions were **double-blind**

- Every paper received 3 reviews

- Online discussion

Review Statistics

- 21 paper submissions (18 full papers, 3 extended abstracts)

- 12 accepted full papers

- 3 accepted extended abstract

Program Overview

- 4 paper sessions
    1. **Telemetry for Networking** (Chair: Gianni Antichi)
    2. **New Use Cases** (Chair: Xiaoqi Chen)
    3. **Security for eBPF** (Chair: Tamas Levai)
    4. **eBPF for Security** (Chair: Aurojit Panda)
- 2 keynotes
    - **Daniel Borkmann**
    - **Theophilus Benson**
- 10-min break after every session
- Lunch @12:30pm

Keynote #2 – Theophilus Benson

A Tale of Two eBPFs: Towards eBPF Management Frameworks for the Rest of Us

Theophilus Benson

Carnegie Mellon University

SIGCOMM 2023 New York City

Thanks to…

- Authors and speakers
- Attendees
- PC members
- SIGCOMM Workshop chair and organizing committee
- Tech staff

Feedback is welcome!

- We will send out a survey to gather feedback for improvement
- We welcome your suggestions and thoughts on the program and organization of the workshop!
  - Honest feedback will help us improve for next year