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PACMNET V4, N3, September 2026 Editorial

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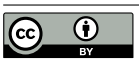
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The Proceedings of the ACM on Networking (PACMNET) series showcases top-tier research in emerging computer networks and their applications. We welcome submissions introducing new technologies, innovative experiments, creative applications of networking technologies, and fresh insights gained through analysis. Supported by the ACM Special Interest Group on Communications and Computer Networks (SIGCOMM), the journal is backed by a distinguished Editorial Board composed of leading researchers in the field.

This issue constitutes the third issue of the fourth volume of PACMNET and features articles submitted to the December 2025 deadline that underwent a "one-shot major" revision. Originally, more than 90 Editors evaluated each of the December 2025 submissions, coordinated by two Associate Editors. In the initial phase, every article received a minimum of three reviews. For those that advanced to the second phase, the Editors produced at least two additional reviews per article. After a second discussion phase, the Editors met online to decide which articles to accept after a minor revision with shepherding, which to offer a one-shot major revision opportunity, and which to reject. Thirteen articles were offered the one-shot major revision option. Authors received about 3 months to revise their work and prepare a major revision addressing reviewers' comments and feedback. The same Editors then reviewed and discussed the revised version. After this re-review phase, three articles were rejected, and ten articles were finally accepted and appear in this issue of PACMNET.

The articles in this issue showcase the breadth of contemporary networking research, spanning networked systems, transport protocols, Internet measurement, security, and data-plane innovation. Contributions advance the performance and efficiency of modern communication infrastructures through new approaches to forward error correction, congestion control, in-network acceleration, SmartNIC architectures, and high-speed stream processing, while also improving the robustness of transport protocols and programmable hardware. The issue further highlights progress in Internet measurement and operations, including large-scale studies of IPv6 scanning, BGP community semantics, and congestion control in virtualized environments, alongside research on machine learning–driven network security, adaptive intrusion detection, and privacy compliance. Collectively, these works underscore the growing convergence of networking, systems design, measurement, and artificial intelligence in building more efficient, resilient, and trustworthy networked infrastructures

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