Message from the Program Co-Chairs
RAID 2025

Welcome to the Proceedings of the 28th International Symposium on Research in Attacks, Intrusions and Defenses (RAID 2025)!

We are delighted to introduce the proceedings for RAID 2025. This volume represents the culmination of countless hours of dedicated effort from a select group of individuals who represent a diverse cross-section of the security research community. As the program co-chairs, it was our privilege to guide the development of the RAID 2025 program, and we are profoundly grateful to everyone who helped bring it to fruition. Such an exceptional program could not have been created without the enormous commitment and diligence of the program committee members, external reviewers, authors, and the organizing committee.

We successfully assembled an outstanding and varied Program Committee, comprising 112 security researchers from both academia and industry at various stages of their careers (the complete list is provided below). We extend our deepest thanks to all members for their thoughtful and high-quality reviews and for their assessments of the submitted papers. This diligent work allowed us to select the most impactful papers and to provide constructive feedback to those that were not accepted. Your steadfast commitment to upholding the academic rigor and quality of RAID 2025 is truly commendable. We especially appreciate the energy and positive spirit shown by the many PC members who enthusiastically advocated for papers and engaged in productive discussions with other reviewers. We also wish to recognize the PC members who submitted their reviews ahead of schedule and those who stepped in at the last moment to provide additional reviews.

The papers featured in these proceedings continue to uphold the high standards for which RAID is renowned. This year, we received 281 submissions—a new all-time high—from which the PC accepted 62, resulting in an acceptance rate of 22%. While 43 of these papers were initially accepted with conditions, they were all ultimately included in the proceedings after a shepherding phase. We are grateful to the Program Committee members who shepherded these papers and ensured they met the bar for inclusion in RAID. We also offer our sincere appreciation to all external reviewers (full list can be found below) who contributed to the review process with their detailed paper evaluations. The RAID 2025 conference proceedings offer a thorough compilation of groundbreaking research papers in the field of cybersecurity. Each paper was meticulously chosen by the Program Committee (and external reviewers), confirming its significance and originality. We are confident that this collection will be an invaluable resource for researchers, practitioners, and industry professionals working in cybersecurity.

We wish to thank the members of the organizing committee and our corporate sponsors for making this conference a reality. This year, RAID will recognize two papers that are particularly deserving of recognition with two distinct awards: the Best Paper award and the Distinguished Practical Paper award. The Best Paper award is for the best overall research among all accepted papers. The Distinguished Practical Paper award recognizes a paper that is both impactful and easily applicable in a practical setting. A subcommittee selected a group of candidate papers for both awards, debated their merits, and then cast their votes for the winning papers. For the Distinguished Practical Paper, the subcommittee first established specific criteria for evaluating the practicality of the research. For example, they considered papers with defenses that are ready for use in practice or measurements with actionable insights. On the other hand, papers describing attacks with significant prerequisites or papers describing tools that are not publicly available were deemed out of scope. We hope that this award will continue to boost the visibility of research advancements among security professionals. The two awards will be presented during the conference.

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RAID 2025 would not have been possible without the generous backing and support from our sponsors. We appreciate their dedication to advancing the field of security research and for helping to create an environment that encourages collaboration and the exchange of knowledge. We are thankful to our sponsors for supporting RAID and for helping to keep the registration fees affordable.

We extend our heartfelt appreciation to the organizing committee for their steadfast commitment and support in producing the RAID 2025 proceedings. Above all, our thanks go to Xingliang Yuan, Guangdong Bai, and Marthie Grobler, the general chairs, for their exceptional work in organizing RAID 2025 in Gold Coast, Australia, and for ensuring the conference ran smoothly. Special thanks are also due to Yifeng Zheng and Naipeng Dong, the publication chairs, Hyoungshick Kim, Ming Xu, and Hammond A. Pearce, the publicity chairs, and Yujin Huang, the website chair, for their vital contributions, as well as to Leo Yu Zhang and Ernest Foo for serving as local chairs.

We hope you find RAID 2025 to be intellectually and professionally rewarding. We thank once again the sponsors, organizers, reviewers, authors, and attendees for making RAID such a dynamic conference, and we look forward to meeting you at the conference!

Yanick Fratantonio and Tiffany Bao
RAID 2025 Program Committee Co-Chairs