

**Proceedings of the 1st IFIP TC 9, TC 11 International Conference in Cybersecurity, IFIP-UNIVEN-CSIR ICC 2025, Tshwane, South Africa, 11-12 December 2025**

**Advancing Innovative Cybersecurity Solutions and Approaches to Protect Digital Ecosystems**

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It was our great pleasure to welcome researchers, practitioners, and policymakers to the first IFIP-UNIVEN-CSIR International Conference in Cybersecurity (IFIP-UNIVEN-CSIR ICC 2025), held in Pretoria, South Africa, from December 11 to 12, 2025. The conference was jointly organized by the University of Venda (UNIVEN) and the Council for Scientific and Industrial Research (CSIR) under the auspices of the International Federation for Information Processing (IFIP) and focused on the theme: "Advancing innovative cybersecurity solutions and approaches to protect digital ecosystems." This proceedings volume, published in the esteemed IFIP Advances in Information and Communication Technology (IFIP-AICT) series, focuses on the technical papers presented at the main conference. The selection process for the research papers was highly rigorous, following quality checks in place. The conference received a total of 43 full-paper submissions. Each paper underwent a thorough double-blind peer-review process with an average of three reviews via the EasyChair system to ensure the highest quality, integrity, and relevance. Based on the reviewers' recommendations, only 17 papers were accepted for publication and presentation, resulting in an acceptance rate of approximately 39.5%. Following the technical acceptance, all papers were subjected to a final quality check, which included similarity reporting using Turnitin and iThenticate. Six (6) accepted papers required subsequent corrections to address issues identified in the similarity reports, and all issues were addressed to the satisfaction of the editorial team. After the initial reviews and feedback sent by authors, two (2) rejected papers were withdrawn by the authors.