Preface

The International Scientific and Practical Workshop “Resilient Systems: Secure Digital Technologies and Critical Infrastructure (RS-2026)” was held on June 30, 2026, and organized by the Department of Artificial Intelligence and Cybersecurity of Donetsk National Technical University (DonNTU), Ukraine.

The workshop aimed to bring together researchers, practitioners, and experts to discuss recent advances in ensuring the resilience of critical infrastructure and digital systems under modern threats, including hybrid warfare, cyberattacks, and complex socio-technical challenges. Particular attention was given to the application of artificial intelligence, modeling approaches, cybersecurity practices, and interdisciplinary solutions for protecting critical sectors such as energy, transport, and information systems.

Out of 19 submitted papers, 15 high-quality contributions were selected for presentation and inclusion in the proceedings after a thorough peer-review process. Each paper was independently reviewed by at least two members of the Program Committee (PC Board). The accepted papers cover a wide range of topics, including resilience modeling of critical infrastructure, AI-enhanced cybersecurity, vulnerability detection and risk management, secure software development practices, decision support systems under uncertainty, and the application of intelligent methods for infrastructure protection.

We would like to express our sincere gratitude to all Program Committee members for their careful and constructive reviews, which significantly contributed to the quality of this volume.

We believe that the present volume will serve as a valuable resource for researchers and practitioners working on the resilience and security of digital and critical systems.

Yours sincerely,
PC Board

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