SAID-Eco: ICA3PP Workshop on Symbiotic AI and Data Ecosystems

The rapid evolution of AI and data science has revealed a critical interdependence: AI systems rely on high-quality data for training, while data ecosystems leverage AI for curation, enrichment, and value extraction. Modern AI systems demand unprecedented volumes of high-quality, diverse, and dynamic data to achieve robustness, while data ecosystems increasingly rely on AI for autonomous curation, enrichment, and value extraction. This bidirectional symbiosis where AI algorithms optimize data infrastructures and data fuels AI's adaptive intelligence promises to redefine the future of intelligent systems. Yet, this bidirectional relationship introduces unprecedented risks adversarial data poisoning, model inversion attacks, and autonomous bias propagation that threaten the sustainability of AI-data ecosystems.

The Workshop on Symbiotic AI and Data Ecosystems (SAID-Eco) addresses the bidirectional synergy between AI and data, focusing on systems, algorithms, security and applications where each domain fuels the other's advancement. SAID-Eco unites AI researchers, data engineers, practitioners, and industry practitioners to discuss the latest innovations, challenges, and future directions in AI-driven data generation, data-centric AI optimization, integrating AI safety & trustworthy data, and real-world applications. Possible topics include but are not limited to:

Core Topics:
- Data-driven AI evolution: Techniques for continuously improving AI models using real-time data feedback loops.
- AI-enhanced data curation: Methods for using AI to discovery, augmentation, clean, annotate, and enrich datasets.
- Generative AI for synthetic data generation and privacy.
- Real-world applications (Healthcare, Smart Cities, IoT and Edge Computing, Industrial Automation).
- AI-data systems, Data Service Design, Data Assets, and AI in management, accounting, governance.
- AI and Data Security & Trustworthiness.

Chairs:
Hanning Zhang, China Unicom, China
Yu Weng, Minzu University of China, China
Xueyun Zeng, Beijing University of Post and Telecommunications, China
Shiguo Lian, China Unicom, China
Ti Wang, China Unicom, China
Ruitao Ma, China Unicom, China
Jianwei Fang, China Unicom, China