Special Issue

Privacy-Preserving and Trustworthy AI for Industrial 4.0 and Beyond

Message from the Guest Editors

This Special Issue calls for original research and reviews on methodologies, frameworks, systems and empirical studies that advance the state of the art in privacy-preserving and trustworthy AI tailored to industrial settings—including federated/edge learning, multi-stakeholder data ecosystems, secure IoT/IIoT networks, explainable and auditable AI, safe deployment in autonomous industrial operations, and lifecycle assurance of trusted AI systems. We welcome contributions that span foundational theory (e.g., cryptographic, statistical or systems guarantees), algorithmic design (e.g., federated learning with privacy/robustness, transparent ML in industrial contexts), system implementation (e.g., deployment in smart factories, energy grids, supply-chain networks) and real-world case studies (e.g., industrial pilot results, regulatory or governance aspects). Our aim is to provide a definitive venue linking the demands of next-generation industrial ecosystems with trustworthy AI technologies, thus enabling secure, sustainable and intelligent industrial transformation.

Guest Editors

Dr. Youyang Qu
Dr. Chenhao Xu
Dr. Yao Zhao

Deadline for manuscript submissions

30 August 2026

Technologies

an Open Access Journal by MDPI

Impact Factor 3.6
CiteScore 8.5

mdpi.com/si/260502

Technologies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
technologies@mdpi.com

mdpi.com/journal/technologies

Technologies

an Open Access Journal by MDPI

Impact Factor 3.6
CiteScore 8.5

mdpi.com/journal/technologies

MDPI

About the Journal

Message from the Editor-in-Chief

Technologies, provides a single focus for reporting on developments of all technologies, regardless of their application. It is our intention that *Technologies* becomes the journal of choice for both researchers wanting to publish their work and technologists wishing to exploit the high quality research across a wide range of potential applications. Through its open access policy, its quick publication cycle, *Technologies* will facilitate the rapid uptake and development of the research presented, ultimately providing benefit to the wider society.

Editor-in-Chief

Prof. Dr. Manoj Gupta
Department of Mechanical Engineering, National University of Singapore, Singapore 117576, Singapore

Author Benefits

High Visibility:

indexed within ESCI (Web of Science), Scopus, Inspec, Ei Compendex, INSPIRE, and other databases.

Journal Rank:

JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (Computer Science (miscellaneous))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.1 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the second half of 2025).