

# CALL FOR PAPER

The first International  
Conference on  
Transformative  
Technologies "ICTT'24"

## AI & DATA SCIENCE

### CO-CHAIRS

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### SCOPE AND MOTIVATION

We are delighted to invite researchers, academics, and industry professionals to submit their papers to the 1st International Conference on Transformative Technologies: Secure Networks & Decision Empowerments (ICTT'24) Track on AI & Data science. The conference will take place on 05-07 june 2024 at ESAIP, Angers, France, featuring an exciting lineup of events, including keynote speakers, an expo, tutorials, and workshops. The primary focus of the conference will be on the intersection of Artificial Intelligence (AI), Data Science, and their applications in the field of cybersecurity.

Submitted papers must be up to 9 pages including references and up to 50MB for supplementary materials. The reviewing process include abstract review and double-blind review. For each accepted paper, at least one author is required to join the conference to present their work in person.

## TOPICS OF INTEREST

The International Conference on Transformative Technologies: Secure Networks & Decision Empowerments (ICTT'24) is an interdisciplinary international conference that brings together researchers from cybersecurity, artificial intelligence, datascience, big data, and Networking. More specifically, the special Track on AI & Data science focus on artificial intelligence and datascience. Note that while we put a special emphasis on the works applied to on AI & Data science, we invite submissions presenting new and original research on topics including but not limited to the following:

- General machine learning (supervised, unsupervised, online, active, semi- and self-supervised learning, time series analysis, clustering, etc.)
- Deep learning (e.g., architectures, generative models, optimization for deep networks, deep reinforcement learning)
- Probabilistic methods (e.g., variational inference, causal inference, Gaussian processes)
- Reinforcement learning (e.g., decision and control, planning, hierarchical RL, robotics)
- Theory (e.g., control theory, learning theory, algorithmic game theory)
- Optimization (convex and non-convex optimization, matrix/tensor methods, stochastic, online, non-smooth, composite, meta-learnin, etc.)
- Evaluation (e.g., methodology, meta studies, replicability and validity)
- Infrastructure (e.g., libraries, improved implementation and scalability, distributed solutions)
- Social and economic aspects of machine learning (e.g., ethic, fairness, interpretability, human-AI interaction, privacy, safety, strategic behavior)
- Probabilistic Inference (Bayesian methods, graphical models, Monte Carlo methods, Multi-armed Bandits, etc.)
- Applications (e.g., cybersecurity, blockchain, vision, language, speech and audio, recommender systems, autonomous vehicle, etc...)

AI and Data science are rapidly evolving fields, and so, we welcome interdisciplinary submissions that do not fit neatly into existing categories.

## HOW TO SUBMIT A PAPER

All papers should be submitted via EasyChair . Full instructions on how to submit papers and important deadlines are available at : <https://colloque-cybersecurite.esaip.org/>