



Trustworthy Machine Learning

This workshop aims to raise awareness of possible pitfalls of existing Machine Learning (ML) algorithms among practitioners and users and emphasize the importance of developing trustworthy ML algorithms. To achieve this objective, the workshop will bring together international experts from ML interpretability, fairness, robustness, and verifiability to discuss the progress so far, issues, challenges, and the path forward.

Speakers

Dr. David Bau

Northeastern University, USA

Dr. Adrian Baldwin

HP Labs, United Kingdom

Dr. Ransalu Senanayake

Stanford University, USA

Dr. Gilber Lim

SingHealth, Singapore

Dr. Jay Nandy

Google India, India

Dr. Sandareka Wickramanayake

University of Moratuwa, Sri Lanka

Objectives

- Discuss issues related to the trustworthiness of ML systems.
- Discuss existing efforts from the ML community to enhance the trustworthiness of ML systems.
- Identify concerns and challenges of engineering domain experts in deploying ML systems in real-world applications.

Target audience

This workshop will be beneficial for all the stakeholders of ML, including ML researchers, ML developers, various domain experts using ML, and end-users. Hence, the target audience of this workshop will be anyone using or interested in ML, e.g., engineers and engineering academics from various fields.

Workshop Programme

All times are in the Indian Standard Time zone (GMT +5:30 hours).

Topics of the invited talks might be changed by the speaker.

Session	Time	Resource Person(s)
Welcome (Opening)	4.15 pm - 4.20 pm	Sanka Rasnayaka
Machine Learning Risk Management Frameworks	4.20 pm - 5.00 pm	Adrian Baldwin
Trustworthy ML for Healthcare	5.00 pm - 5.40 pm	Gilbert Lim
Explainable AI for Smart City Applications	5.40 pm - 6.00 pm	Sandareka Wickramanayake
Break	6.00 pm - 6.10 pm	
Robustness and Uncertainty Estimation for Deep Neural Networks	6.10 pm - 6.50 pm	Jay Nandy
Interpretable Machine Learning	6.50 pm - 7.30 pm	David Bau
Safety and Robustness of Autonomous systems	7.30 pm - 8.10 pm	Ransalu Senanayake
Break	8.10 pm - 8.20 pm	
Panel Discussion	8.20 pm - 9.20 pm	All Invited Speakers
Closing Remarks (Closing)	9.20 pm - 9.30 pm	Dileepa Fernando

Participation is
FREE



scan here to register

Register at: <https://forms.gle/7Q9A3mxnpacafL5G6>

TRUSTWORTHY MACHINE LEARNING WORKSHOP

8th International Multidisciplinary Engineering Research Conference

29th
July 2022

4.15 pm -
9.30 pm

