Papers:

1. Enhancing Trust in Machine Learning Systems by Formal Methods

# Towards formal methods and software engineering for deep learning: Security, safety and productivity for dl systems development

# Formal Verification for Safe AI-based Flight Planning for UAVs\*

# Formal Modelling of Safety Architecture for Responsibility-Aware Autonomous Vehicle via Event-B Refinement

1. **A Formal validation of an Entropy-based Artificial Intelligence for Ultrasound Data in Breast Tumors**

# A Survey on Optimization Techniques for Edge Artificial Intelligence (AI)

# Formal methods enhance deep learning for smart cities: challenges and future directions.

# Formal Methods Boost Experimental Performance for Explainable AI. From TSE Journal.

# Formal Verification for Safe AI-based Flight Planning for UAVs\*. From TSE Journal.

# MDE Intelligence 2021: 3rd Workshop on Artificial Intelligence and Model-Driven Engineering. From TSE Journal. 2021

# Preface to MDE Intelligence 2019: 1st Workshop on Artificial Intelligence and Model-Driven Engineering. From TSE Journal. 2019

# An Artificial Intelligence-Based Model-Driven Approach for Exposing Off-Nominal Behaviors. From TSE Journal

# Are Formal Methods Applicable To Machine Learning And Artificial Intelligence? From TSE Journal