Rozao Alliance LP

VIII INTERNATIONAL CONFERENCE

«AI application in medicine and transport»

August 28th and September 1st, 2025

by Rozao.org service

Please contact https://rozao.org

London, 2025

PREFACE

This collection appears under the aegis of Rosao.org, an institution dedicated to advancing artificial intelligence through rigorous research and scholarly dissemination. Rosao.org serves as a nexus for researchers engaged in applied empirical investigation, fostering intellectual exchange through its publication platform and international remote conferences. The organization's scope encompasses AI's transformative potential across diverse sectors, including medicine, transportation, and the aerospace industry, among other burgeoning domains.

This endeavor aligns synergistically with the accelerating global integration of artificial intelligence technologies into practical problem-solving.

The scientific publications and conferences orchestrated by Rosao.org act as catalysts for knowledge transfer and collaborative learning among researchers, thereby expediting the translation of cutting-edge solutions into tangible applications. Such synergistic efforts are crucial for realizing the full potential of AI in addressing real-world challenges.

In the medical field, AI is driving remarkable advancements across diagnostics, pharmaceutical development, and personalized treatment modalities. The research featured in this collection may encompass machine learning algorithms designed for advanced medical image analysis (e.g., detection of subtle anomalies in radiological scans), clinical decision support systems aimed at augmenting physician capabilities, and predictive models that forecast treatment efficacy based on nuanced patient-specific data.

Within the transportation ecosystem, AI is revolutionizing autonomous vehicle technology, supply chain optimization, and road safety protocols. The articles showcased in this collection could delve into the intricacies of computer vision algorithms engineered for real-time road sign recognition and obstacle detection, traffic management systems leveraging real-time data analytics, and predictive models designed to anticipate and mitigate accident risks.

This collection of scientific articles, made possible through the support by Rosao.org, constitutes a valuable repository of knowledge for researchers, developers, and specialists operating within the expansive field of artificial intelligence. Rosao.org actively contributes to the propagation of advanced knowledge and technologies essential for addressing pressing challenges across various economic and societal domains.

The Rosao.org team extends its gratitude to all contributors to the 2025 collection.

Comprehensive information regarding publications available through Rosao.org can be accessed via the website: https://rozao.org

British Library Cataloguing-in-Publication Data

A catalogue record for this book is available from the British Library

ISBN 10: 1-292-40113-3

ISBN 13: 978-1-292-40113-7

eBook ISBN 13: 978-1-292-40117-6