

Preface

We are pleased to introduce an edition based on research results presented at the 7th Conference Advances in Engineering and Management held on 25-27 October 2023, Drobeta-Turnu Severin, Romania) that reflect current trends, challenges, and innovations in the fields of engineering and sustainable technological development.

This edition highlights the growing intersection between traditional engineering disciplines and modern approaches to environmental responsibility, digital transformation, and education. The articles included cover a broad spectrum of topics—from inland navigation and public transport optimisation to additive manufacturing, green energy solutions, and the integration of advanced technologies such as robotics and X-ray inspection methods. Notably, several contributions focus on sustainable development, the circular economy, and the efficiency of public infrastructure, reflecting the increasingly interdisciplinary nature of engineering research.

By grouping the papers into thematic chapters, this volume offers readers a structured and coherent overview of key areas of interest: sustainable development, energy efficiency, innovations in transportation, and advanced engineering processes. The research presented here is the result of dedicated efforts by academics, engineers, and practitioners, and we hope it will inspire further inquiry and collaboration across disciplines.

We express our sincere appreciation to all authors and reviewers for their valuable contributions, and we invite readers to explore the insights and advancements shared within these pages.

Professor Gabriel Benga, PhD

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