

PREFACE

We are pleased to present the proceedings of 2026 International Conference on Data Science and Engineering Management (DSEM 2026), held in Liverpool, UK. The conference focuses on how advanced data-driven methodologies—including machine learning, big data analytics, artificial intelligence, and optimization theory—can be integrated into engineering management processes to enhance decision-making, operational efficiency, and system intelligence. Topics of interest include, but are not limited to, intelligent engineering systems, data-driven project management, supply chain analytics, smart manufacturing, industrial digital twins, risk assessment and prediction, resource optimization, and the application of AI in complex engineering environments.

The papers included in this volume were selected after a rigorous peer-review process. They cover a wide spectrum of topics, including empirical research, theoretical frameworks, and case studies that address the evolving challenges in the global landscape. These contributions reflect the latest trends and offer practical solutions in the fields of data science and engineering management.

We express our sincere gratitude to the authors for their contributions and to the Technical Program Committee for their professional expertise in ensuring the quality of this publication. We hope these proceedings will inspire further research and cross-disciplinary collaboration.

The Organizing Committee of DSEM 2026

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