Summarization Strategy

Bullet_points

Summary

Here are the concise bullet points representing key ideas and facts from the document:

Introduction of AI Thermal Fluids Journal

* A new journal, AI Thermal Fluids (AITF), is launched to bridge the gap between artificial intelligence (AI) and thermal-fluid sciences and engineering.
* The journal aims to foster cutting-edge research at the interface of these fields and provide a dedicated space for innovations and advancements.

Growing Interest in AI in Thermal-Fluid Sciences

* The number of AI-focused publications in thermal-fluid sciences and engineering has increased at an annual growth rate of approximately 60% since 2017.
* This trend is expected to continue and accelerate in the coming years.

Scope of AI Thermal Fluids Journal

* The journal will cover a diverse range of subject areas and applications, including:
  + Development and deployment of AI techniques (machine learning, neural networks, data analytics) for thermal-fluid sciences and engineering.
  + Fundamental understanding, prediction, and optimization of thermal-fluid phenomena, processes, and systems.
  + Applications in energy, environment, manufacturing, and more.

Types of Articles and Contributions

* The journal will publish full-length Research Articles, Rapid Communications, Reviews, Letters to the Editor, Vision Articles, Original Software articles, and Data Articles.
* Contributions are welcome from researchers and innovators in AI, thermal-fluid sciences, and

engineering.

Editorial Team and Acknowledgments

* The editorial team includes experts from various institutions, including MIT, Imperial College London, and more.
* The authors acknowledge the support of the publisher, Elsevier, and the contributions of the founding editorial board members.

Evaluation (ROUGE)

rouge1: Precision=0.00, Recall=0.50, F1=0.01

rouge2: Precision=0.00, Recall=0.00, F1=0.00

rougeL: Precision=0.00, Recall=0.50, F1=0.01