



IMechE Journals Collection

Institution of
**MECHANICAL
ENGINEERS**

Overview of the Institution of Mechanical Engineers (IMechE)

- established in 1847,
- global leader in mechanical engineering research,
- each of the 18 journals, including 16 proceedings, has its own international Editorial Board, all of whom are leading engineers in their field.

Most cited IMechE Journals

- **Indexed in Major Academic Databases:** Scopus, Web of Science, Google Scholar.
- **High Impact Factors:** IMechE Journals have consistently strong impact factors across engineering disciplines.
- **Global Reach:** IMechE Journals contain research from institutions around the world, aiding knowledge sharing.
- **Broad Interdisciplinary Coverage:** IMechE Journals span across mechanical engineering sub-disciplines, ensuring comprehensive research access.

Proceedings of the IMechE, Part C: Journal of Mechanical Engineering Science



- **Focus Areas:** Dynamics, thermodynamics, mechanical systems, and materials engineering.
- **Impact:** One of the most widely cited journals, driving research in mechanical system design and analysis.
- **Popular Topics:** Vibration control, advanced materials, energy systems.
- **Notable Metrics:** Highly Cited Paper Award; indexed in Scopus and Web of Science; awards for innovations in energy systems and design; IMechE Energy Systems Innovation Award.

Impact Factor: **1.8**

5-Year Impact Factor: **1.9**

Proceedings of the IMechE, Part D: Journal of Automobile Engineering



- **Focus Areas:** Automotive engineering, autonomous vehicles, electric vehicles (EVs), and hybrid technologies.
- **Impact:** Leading journal for automotive industry research and future transportation solutions.
- **Popular Topics:** EV battery technology, autonomous driving, sustainability in transport.
- **Award Recognition:** Best Paper Award – IMechE Annual Awards.

Impact Factor: **1.5**

5-Year Impact Factor: **1.7**

Proceedings of the IMechE, Part B: Journal of Engineering Manufacture

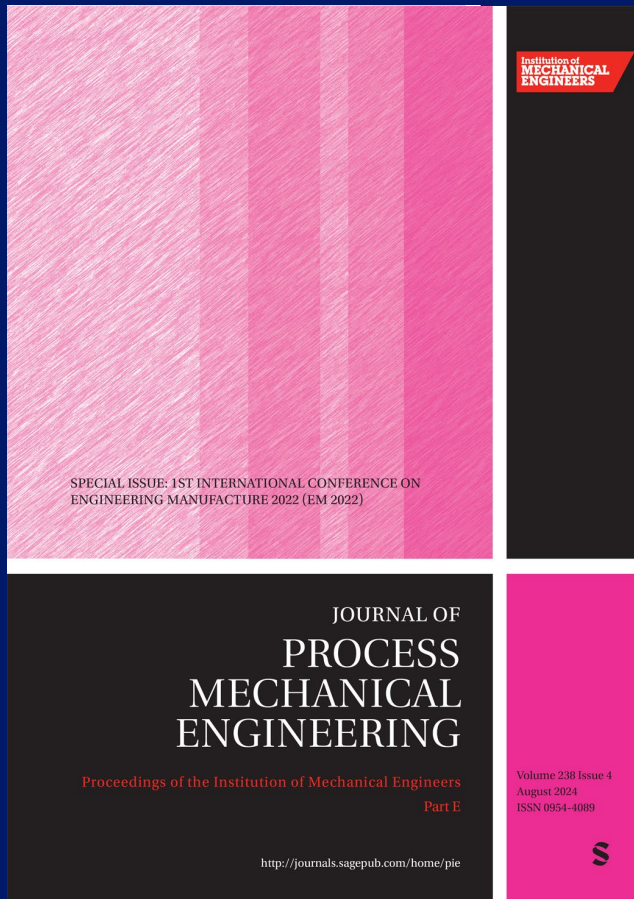


- **Focus Areas:** Manufacturing processes, advanced materials, automation, and Industry 4.0.
- **Impact :** Highly cited for research on manufacturing innovations and automation.
- **Popular Topics :** Robotics, additive manufacturing, digital twins in production.
- **Award Recognition :** Manufacturing Excellence Award.

Impact Factor: **1.9**

5-Year Impact Factor: **2.1**

Proceedings of the IMechE, Part E: Journal of Process Mechanical Engineering



- **Focus Areas:** Fluid dynamics, heat transfer, and process optimization in energy and manufacturing sectors.
- **Impact:** Influential in advancing sustainable process technologies.
- **Popular Topics:** Renewable energy systems, process optimization, industrial fluid mechanics.
- **Award Recognition:** Institution Medal for Process Innovation.

Impact Factor: **2.3**

5-Year Impact Factor: **2.2**

Proceedings of the IMechE, Part G: Journal of Aerospace Engineering



- **Focus Areas:** Aerospace materials, aerodynamics, propulsion, and structural engineering.
- **Impact:** Widely recognized for research in sustainable aviation technologies and space exploration.
- **Popular Topics:** UAV design, lightweight aerospace materials, sustainable fuels.
- **Award Recognition:** Best Aerospace Research Paper Award; Royal Aeronautical Society Award.

Impact Factor: **1.0**

5-Year Impact Factor: **1.1**

Proceedings of the IMechE, Part K: Journal of Multi-body Dynamics



- **Focus Areas:** Biomechanics, robotics, mechanical systems, and control dynamics.
- **Impact:** Essential for research on complex multi-body dynamics in automotive and robotics engineering.
- **Popular Topics:** Robotics, biomechanics, vehicle system dynamics.
- **Award Recognition:** Medal for Excellence in Robotics Research.

Impact Factor: **1.9**

5-Year Impact Factor: **1.9**

Proceedings of the IMechE, Part H: Journal of Engineering in Medicine



- **Focus Areas:** Biomedical engineering, prosthetics, medical devices, and biomechanics.
- **Impact :** Key journal in healthcare engineering, with cross-disciplinary collaboration between engineers and healthcare professionals.
- **Popular Topics:** Medical devices, prosthetics, surgical robotics, biomaterials.
- **Award Recognition:** IMechE Health Innovation Award.

Impact Factor: **1.7**

5-Year Impact Factor: **1.8**

Proceedings of the IMechE, Part M: Journal of Engineering for the Maritime Environment

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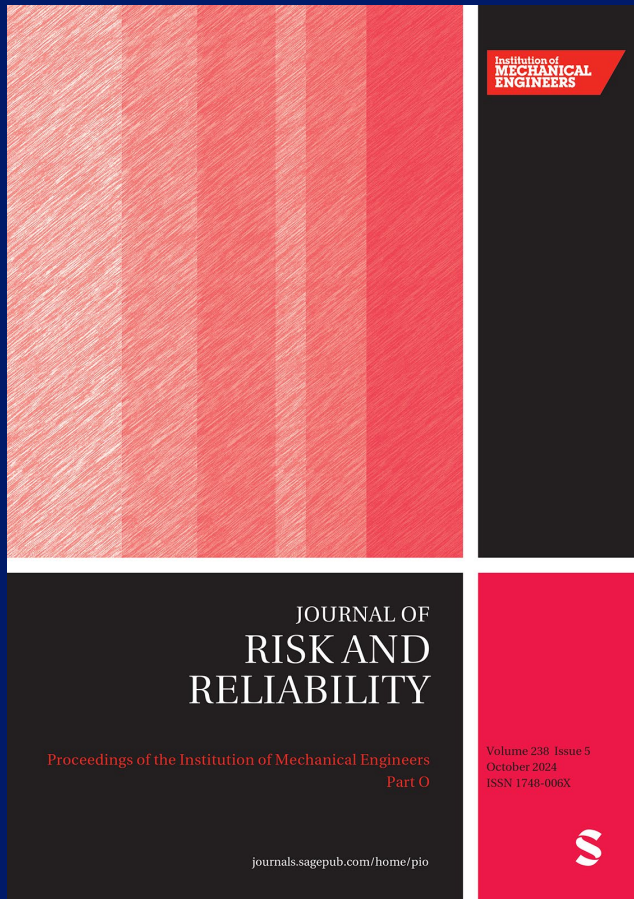


- **Focus Areas:** Marine engineering, hydrodynamics, and energy efficiency for vessels and offshore structures.
- **Impact :** Widely cited in research on maritime energy solutions and sustainability.
- **Popular Topics :** Hydrodynamics, marine renewable energy, hull design.
- **Award Recognition :** Maritime Innovation Award.

Impact Factor: **1.5**

5-Year Impact Factor: **1.4**

Proceedings of the IMechE, Part O: Journal of Risk and Reliability



- **Focus Areas:** Risk management, reliability engineering, and safety in engineering systems.
- **Impact :** Critical for sectors like aerospace, automotive, and energy, focusing on risk analysis and reliability.
- **Popular Topics :** Safety-critical systems, reliability modeling, fault detection.
- **Award Recognition :** Safety Engineering Excellence Award; Best Risk and Safety Paper – Lloyd’s Register Award.

Impact Factor: **1.7**

5-Year Impact Factor: **1.8**

Полезные ссылки

- Информация о тестовом доступе к IMechE от SAGE Publications:

<https://podpiska.rcsi.science/resources/134/>

! Срок доступа: с 30.09.2024 до 09.11.2024

- Ссылка на описание коллекции IMechE: <https://us.sagepub.com/en-us/nam/imeche>
- Ссылка на ресурс: <https://journals.sagepub.com/>

100K20 – ПРОДВИЖЕНИЕ
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