

IMechE

SAGE Publishing

Rebecca Evans

Library Training Manager

Institution of
**MECHANICAL
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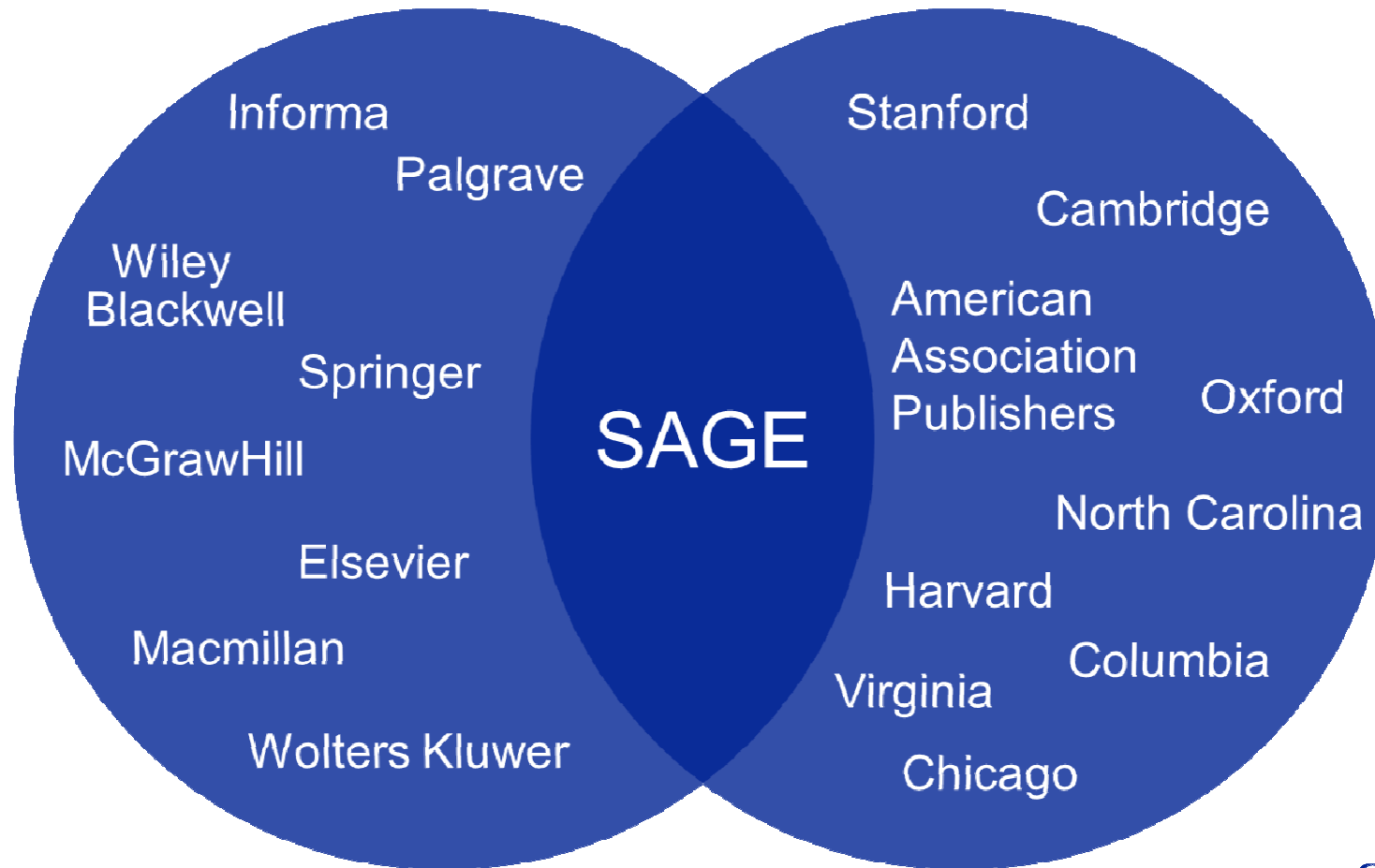
Our agenda

- Who is SAGE?
- A quick history of *IMechE*
- Available *IMechE* journals
- The *SAGE Journals* platform
- Accessing the *IMechE* journals
- Your questions

Who is SAGE?

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A quick history of *IMechE*

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Institution of Mechanical Engineers

Founded in **1847** by George Stephenson, the father of the railways.

Other distinguished members of the IMechE and contributors to the Proceedings of the IMechE:

- **Charles William Siemens** – established the telegraph network, and was part of the Siemens family who started the famous German company of that name
- **Joseph Whitworth** – famous for precision manufacturing, including rifling of weapons
- **Frank Whittle** – the father of jet propulsion
- **Charles Algernon Parsons** – invented the steam turbine, used in propulsion of ships and power generation (and still used to generate most of our electricity)
- **Rudolph Diesel** – invented the diesel engine

“To enable engineers to meet ...and correspond, and by a mutual interchange of ideas respecting improvements in the various branches of mechanical science to increase their knowledge, and to give impulse to inventions likely to be useful to the world.”

The *IMechE* journals

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The *IMechE* journals

- 18 journals available
- All journals are peer-reviewed
- 17 have an Impact Factor (IF)
- Topics covered include aerospace, maritime, rail, and nanoengineering
- Each journal has its own Editorial Board
- Access since 1999 for EIFL members

The *IMechE* journals

- International Journal of Engine Research
- The Journal of Strain Analysis for Engineering Design
- **Part A:** Journal of Power and Energy
- **Part B:** Journal of Engineering Manufacture
- **Part C:** Journal of Mechanical Engineering Science
- **Part D:** Journal of Automobile Engineering
- **Part E:** Journal of Process Mechanical Engineering
- **Part F:** Journal of Rail and Rapid Transit
- **Part G:** Journal of Aerospace Engineering
- **Part H:** Journal of Engineering Medicine
- **Part I:** Journal of Systems and Control Engineering
- **Part J:** Journal of Engineering Tribology
- **Part K:** Journal of Multi-body Dynamics
- **Part L:** Journal of Materials: Design and Applications
- **Part M:** Journal of Engineering for the Maritime Environment
- **Part N:** Journal of Nanoengineering and Nanosystems
- **Part O:** Journal of Risk and Reliability
- **Part P:** Journal of Sports Engineering and Technology

The *IMechE* journals on
 SAGE journals

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Impact Factor: 0.954 | Ranking: Engineering, Manufacturing 28 out of 40 | Engineering, Mechanical 66 out of 130

Source: 2014 Journal Citation Reports® (Thomson Reuters, 2015)

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Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture

Editor: Professor P G Maropoulos, Aston University, UK

The Journal of Engineering Manufacture provides a focus for developments in engineering manufacture, covering technological and scientific research, developments and management implementation in manufacturing. This journal is a member of the Committee on Publication Ethics (COPE).

The 2015 **Thomas Hawksley Gold Medal** has been awarded to Luis M Alves, Pedro MF Leitao and Paulo AF Martins.

"Elastomer-assisted compression beading of tubes" - published in The Institution of Mechanical Engineers Journal of Engineering Manufacture, pp 744 - 758.

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Original Articles

Balla Srinivasa Prasad, M Prakash Babu, and Y Ramamohan Reddy
Evaluation of correlation between vibration signal features and three-dimensional finite element simulations to predict cutting tool wear in turning operation
Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture February 2016 230: 203-214, first published on November 6, 2014 doi:10.1177/0954405414554018
[Abstract](#) [Full Text \(PDF\)](#) [References](#) [Request Permissions](#)

Behnam Davoodi and Ahmadrza Hosseini Tazehkandi
Cutting forces and surface roughness in wet machining of Inconel alloy 738 with coated carbide tool
Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture February 2016 230: 215-226, first published on August 14, 2014 doi:10.1177/0954405414542980
[Abstract](#) [Full Text \(PDF\)](#) [References](#) [Request Permissions](#)

Hongrui Cao, Kai Zhou, and Xuefeng Chen
Stability-based selection of cutting parameters to increase material removal rate in high-speed machining process
Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture February 2016 230: 227-240, first published on December 14, 2015 doi:10.1177/0954405415617931
[Abstract](#) [Full Text \(PDF\)](#) [References](#) [Request Permissions](#)

Sampsa Vili Antero Laakso and Esko Niemi
Modified Johnson-Cook flow stress model with thermal softening damping for finite element modeling of cutting
Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture February 2016 230: 241-253, first published on January 5, 2016 doi:10.1177/0954405415619873
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Krzysztof Nadolny
Shaping the cutting ability of grinding wheels with zone-diversified structure
Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture February 2016 230: 254-268, first published on

The screenshot shows a journal website interface for the February 2016 issue. The main content area on the left lists several articles with their titles and authors. On the right, there is a sidebar with various navigation and utility options. Red circles and arrows highlight specific features: 'Full Text (PDF)' in the article list, 'Editorial Board (PDF)' in the sidebar, 'Search Issue' in the sidebar, and 'Most Read' and 'Most Cited' buttons in the sidebar. The sidebar also includes a 'Free Sample Copy' button, 'Email Alerts', 'RSS feed', and social media links for Twitter and SAGE Engineering.

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The screenshot shows a journal article page from the Institution of Mechanical Engineers. The article title is "Shaping the cutting ability of grinding wheels with zone-diversified structure" by Krzysztof Nadolny. The page includes an abstract and a sidebar with various options. Red circles and lines highlight specific features: a circle around the print and PDF icons at the top right; a circle around the "Alert me when this article is cited" and "Alert me if a correction is posted" options in the sidebar; a circle around the "Download to citation manager" option; and a circle around the "Articles by Nadolny, K." and "Search for related content" options. The SAGE Publishing logo is visible in the bottom right corner.



Search Results

Content Results Journal Title Results

Results 1-10 of 27612 found for IMechE in Full Text in all SAGE content.

Article Available

Balancing wedge action in textured converging bearings



Kazuyuki Yagi and Joichi Sugimura
Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, March 2016; vol. 230, 3: pp. 241-256., first published on July 23, 2015

IMechE 2015 March 2016 research-article Original...partially textured parallel slider. Proc IMechE, Part J: J Engineering Tribology 2009...mass-conserving numerical approach. Proc IMechE, Part J: J Engineering Tribology 2010...

Check Item | Abstract | Full Text (PDF) | References

Article Available

Impact time control guidance with field-of-view constraint accounting for uncertain system lag



Youan Zhang, Xingliang Wang, and Huali Wu
Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, March 2016; vol. 230, 3: pp. 515-529., first published on July 22, 2015

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- + Social Sciences & Humanities

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- Advances in Structural Engineering

Accessing the *IMechE* journals

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Accessing the *IMechE* journals

- Institutional access is by IP authentication
- Manage your access (i.e. IP ranges, add your logo and institution URL)
- Switch on OpenURL link resolvers to increase discovery
- Articles/journals open in the *SAGE Journals* platform
- All journals indexed in Summon (ProQuest), World Cat Discovery (OCLC), Primo Central (Ex Libris) and EDS (EBSCO)
- Weekly feeds that comply with KBART (Knowledge Bases and Related Tools) to all major ERMs
- Also included in databases and discovery tools such as Science Citation Index, Fluidex, Global Mobility Database, and many more
- All journal sites available in a mobile optimized format; mobile vouchering allows for off campus access
- Alumni registered with subscribing or purchasing libraries will be able to access *SAGE Journals* at no extra fee

Thank you!

Do you have any questions?

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