

eJournals 2020

Engineering Collection

Widely used by global organizations across the aerospace, automotive, industrial and manufacturing sectors, this Engineering Collection is a high-quality, specialist portfolio of 26 journals.

Many titles maintain strong links to key associations and professional bodies such as the European Aeronautics Science Networks (EASN), International Microelectronics Assembly and Packaging Society (IMAPS), and International Federation of Robotics (IFR).

Featured Titles:



Engineering Computations



Circuit World



Rapid Prototyping Journal



Industrial Robot

Topical Coverage:

- Automation
- Lean manufacturing
- Biosensors
- Tribology
- Structural integrity
- Sustainability
- Aerodynamics
- Satellites and spacecraft
- Artificial Intelligence
- Smart materials
- Additive manufacturing
- Polymers
- Colour applications
- Micro and nano engineering
- Computational engineering
- Engineering management
- Cybernetics
- Human-computer interaction
- Computer information systems
- Internet of Things
- Data analytics

At a glance:

26 Journals

1,850 Projected article output by the end of 2020

24,600 Estimated total article count by the end of 2020

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Special Issues:



Assembly Automation, 2019

“Robotic Control for Industrial and Service Applications”

According to the International Federation of Robotics (IFR) study World Robotics 2016, there were circa 1,631,600 operational industrial robots by the end of 2015. This number is estimated to reach 2,589,000 by the end of 2019. To help assess the potential of robots both in industry and daily routine, optimizing control schemes is an imminent task. Among various aspects related to robotics, robot control plays a very significant role in ensuring the success and reliability of robotic applications.



Aircraft Engineering and Aerospace Technology, 2019

“NATO Hybrid/Electric Aero-Propulsion Systems for Military Applications”

The Applied Vehicle Technology Panel (AVT) is the most prominent NATO Science and Technology Organization (STO) panel and its symposia attract high-calibre researchers, vehicle designers and end users. Unique technologies and implementation methodologies will be described in the articles, which currently are in high demand among academia and industry.

Leading authors and editors:

Professor Anne Neville, University of Leeds, UK. Professor Neville is the Royal Academy of Engineering Chair of Emerging Technologies. She was awarded an OBE in 2017 for services to engineering.

Professor Arieh Iserles, University of Cambridge, UK. From 2010 to 2015 he was a Director of the Cambridge Centre for Analysis (CCA), an EPSRC-funded Centre for Doctoral Training in mathematical analysis.

Professor Mike Xie, RMIT University, Australia. Professor Xie is an RMIT Distinguished Professor and Interim Director of

Advanced Materials Enabling Capability Platform Director. He is also a fellow of the Australian Academy of Technological Sciences and Engineering.

Professor J R Williams, Massachusetts Institute of Technology, USA. Professor Williams is internationally recognized in the field of computational algorithms for large-scale particle simulators and has authored two books and over 100 publications. Presently Professor Williams is Director of MIT’s Auto-ID Laboratory and has strong involvement in the MIT Geonumerics group.

Journals in this collection:

0002-2667	Aircraft Engineering and Aerospace Technology	1742-7371	International Journal of Pervasive Computing and Communications
0003-5599	Anti-Corrosion Methods and Materials	1757-9864	International Journal of Structural Integrity
0144-5154	Assembly Automation	1744-0084	International Journal of Web Information Systems
0305-6120	Circuit World	2040-2317	Journal of Structural Fire Engineering
0332-1649	COMPEL	0368-492X	Kybernetes
0264-4401	Engineering Computations	1356-5362	Microelectronics International
2043-9377	Grey Systems: Theory and Application	1573-6105	Multidiscipline Modeling in Materials and Structures
0036-8792	Industrial Lubrication and Tribology	0369-9420	Pigment & Resin Technology
0143-991X	Industrial Robot	1355-2546	Rapid Prototyping Journal
0955-6222	International Journal of Clothing Science and Technology	1560-6074	Research Journal of Textile and Apparel
1756-378X	International Journal of Intelligent Computing and Cybernetics	0260-2288	Sensor Review
2049-6427	International Journal of Intelligent Unmanned Systems	0954-0911	Soldering & Surface Mount Technology
0961-5539	International Journal of Numerical Methods for Heat & Fluid Flow	1708-5284	World Journal of Engineering