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IET Library Reading List:
Artificial Intelligence

These ebooks and ejournals, available via the the IET Virtual Library, focus on the topic of artificial intelligence, covering computing, machine learning and smart technology.

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Ebooks (provided by EBSCO)

Artificial Intelligence and Machine Learning Applications in Civil, Mechanical, and Industrial Engineering, Bekdas, Nigdeli and Yücel. (2019). Research on methods and implementation of machine learning and AI in engineering, e.g. control devices, geotechnology, and artificial neural networks.

Practical Java Programming for IoT, AI, and Blockchain, Xiao. (2019). Java in the contexts of IoT, AI, Cybersecurity, Blockchain, plus how Java can be used for connected home devices, healthcare, the cloud and more.

Artificial Intelligence in IoT, Al-Turjman. (2019). Insight into IoT intelligence in terms of applications and algorithmic challenges.

Novel Design and Applications of Robotics Technologies, Zhang and Wei. (2019). State-of-the-art technologies in design and development of robotic technologies and their real-world applications.

The Future of Work: Robots, AI, and Automation, West. (2018). How AI, automation and innovative technologies will transform the world of work. Transitioning from an industrial to a digital economy.

Ejournals (provided by EBSCO)

Artificial Intelligence Review. Research, reports and critical evaluations of applications, techniques and algorithms in AI, cognitive science and related disciplines.

Applied Artificial Intelligence. (Addresses concerns in applied research and applications of AI.

Computational Intelligence. Experimental and theoretical AI research, plus surveys and impact studies.

Journal of Experimental & Theoretical Artificial Intelligence. Journal of Experimental & Theoretical Artificial Intelligence.

AI Communications: The European Journal on Artificial Intelligence. Aims to enhance contacts and information exchange between AI researchers and developers.

Journal of Ambient Intelligence and Smart Environments. Enabling technologies such as multi-modal sensing and vision processing. Contributions from the fields of robotics, networking, HCI, mobile, collaborative and pervasive computing.

Expert Systems. Aimed at engineers, AI researchers, project managers, computer scientists and managers. Devoted to all aspects of AI and advanced computing.

Journal of Intelligent Manufacturing. Application of AI in manufacturing and new methodologies and developments.

Minds and Machines. Examines issues concerning machines and mentality, AI, epistemology, simulation and modeling.

International Journal of Knowledge-Based and Intelligent Engineering System. Aims to develop systems that replicate the analytical, problem solving and learning capabilities of the brain through AI.

Journal of Heuristics. The development, understanding, and practical use of heuristic solution techniques for solving business, engineering and societal problems.

International Journal of Advanced Robotic Systems. All aspects of research on robotics science. Original research papers and interviews with leading robotic experts.

Intelligent Decision Technologies. Focuses on intelligent technologies and their application to decision making.

Machine Learning. Provides information about research on computational approaches to learning.

International Journal of Intelligent Systems. Peer reviewed journal, serves as a forum for individuals interested in theories on intelligent systems construction.

Journal of Intelligent Information Systems. Creation of intelligent information systems, including reasoning processes and their application in database management processes.

Further resources from the IET

- **Communities and Networks**
- **Factfiles**
- **Thought Leadership – Artificial Intelligence**
- **IET Academy**
- **IET Digital Library**
- **Technical Webinars**

Help and contacts

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