

Suggested Reading – 31st December 2018

Aircraft Performance

Young, T. (2018). *Performance of the jet transport airplane: analysis methods, flight operations and regulations*. Chichester, UK: John Wiley & Sons Ltd.

Aero Engines and Gas Turbines

MacIsaac, B. and Langton, R. (2011). *Gas turbine propulsion systems*. Chichester, UK: John Wiley & Sons Ltd.

Kurzke, J. and Halliwell, I. (2018). *Propulsion and power: an exploration of gas turbine performance modelling*. Cham, Switzerland: Springer International Publishing.

Ruffles, P. (2014). *The history of the Rolls-Royce RB211 turbofan engine*. Derby, UK: Rolls-Royce Heritage Trust.

Walsh, P. and Fletcher, P. (1998). *Gas turbine performance*. Malden, MA: Blackwell Science.

Artificial Intelligence

Russell, S. and Norvig, P. (2010). *Artificial intelligence: a modern approach*. Harlow, UK: Pearson Education Ltd.

Asset Management

Beedles, M. (2016). *Asset management for directors*. Sydney, New South Wales, Australia: Australian Institute of Company Directors.

BS ISO 55000:2014. (2014). *Asset management: overview, principles and terminology*. London, UK: British Standards Institution.

BS ISO 55001:2014. (2014). *Asset management: management systems - requirements*. London, UK: British Standards Institution.

BS ISO 55002:2014. (2014). *Asset management: management systems – guidelines for the application of ISO 55001*. London, UK: British Standards Institution.

BSI. (2014). *Moving from PAS 55 to BS ISO 55001 – the new international standard for asset management – transition guide*. London, UK: British Standards Institution.

BSI. (2018). *PAS 280-2018: Though-life engineering services: adding value through a common framework: guide*. London, UK: British Standards Institution.

Campbell, J., Jardine, A. and McGlynn, J. eds. (2011). *Asset management excellence: optimizing equipment life-cycle decisions*. 2nd ed. Boca Raton, FL: CRC Press/Taylor & Francis.

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Hastings, N. (2010). *Physical asset management*. London, UK: Springer-Verlag London Ltd.

IAM. (2014). *The asset management journey: creating value through good asset management*. Bristol, UK: Institute of Asset Management.

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- LaFraia, J. and Hardwick, J. (2013). *Living asset management*. Hawthorn, Victoria, Australia: Asset Management Council Ltd.
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- Mitchell, J. and Hickman, J. eds. (2012). *Physical asset management handbook*. 4th ed. Fort Myers, FL: Reliabilityweb.com.
- O'Hanlon, T. eds. (2014). *The (new) asset management handbook – a guide to ISO 55000*. Fort Myers, FL: Reliabilityweb.com.
- Provost, M (2015). *Everything works wonderfully: an overview of servitization and physical asset management*. 2nd ed. Syston, UK: BookPrintingOnline/AnchorPrint Group Ltd.
- Sondalini, M. (2016). *Insustrial and manufacturing wellness: the complete guide to successful enterprise asset management*. South Norwalk, CT: Industrial Press Inc.
- Wilson, A. eds. (2013). *Asset management, focusing on developing maintenance strategies and improving performance*. Farnham, UK: Conference Communications.
- Woodhouse, J. eds. (2014). *Asset management decision making: the SALVO process*. Kingsclere, UK: The Woodhouse Partnership Ltd.

Automotive

- Martyr, A. and Plint, M. (2007). *Engine testing*. 3rd ed. Oxford, UK: Elsevier Butterworth-Heinemann.
- Rill, G. (2012). *Road vehicle dynamics: fundamentals and modelling*. Boca Raton, FL: CRC Press/Taylor & Francis.

Big Data

- Berman, J. (2013). *Principles of big data: preparing, sharing and analyzing complex information*. San Francisco, CA: Morgan Kaufmann.
- Datameer. (2015). *Big data analytics buyer's guide*. San Francisco, CA: Datameer Inc.
- Demarest, G. and Scott, J. (2016) *Architects guide to implementing a digital transformation*. Santa Clara, CA: MapR Technologies, Inc.
- EMC Education Services. (2015). *Data science and big data analytics: discovering, analysing, visualizing and presenting data*. Indianapolis, IN: John Wiley & Sons Inc.
- Few, S. (2013). *Big data, big ruse*. Berkeley CA: Perceptual Edge.
- Few, S. (2015). *Signal: understanding what matters in a world of noise*. Burlingame, CA: Analytics Press.
- Few, S. (2018). *Big data, big dupe: a little book about a big bunch of nonsense*. El Dorado Hills, CA: Analytics Press.
- Gent, E. (2016). *Big data's dark side*. Engineering and Technology, Volume 11, Issue 9, October 2016, pp. 32-35. Stevenage, UK: Institution of Engineering and Technology.
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Marr, B. (2015). *Big data: using smart big data, analytics and metrics to make better decisions and improve performance*. Chichester, UK: John Wiley & Sons Ltd.

Marr, B. (2015). *Big data case study collection: 7 amazing companies that really get big data*. Chichester, UK: John Wiley & Sons Ltd.

Marr, B. (2016). *Big data in practice: how 45 successful companies used big data analytics to deliver extraordinary results*. New Delhi, India: Wiley India Pvt. Ltd.

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Business Intelligence

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Howson, C. (2013). *Successful business intelligence: unlock the value of BI & big data*. 2nd ed. New York, NY: McGraw-Hill Osborne.

Murray, D. (2013). *Tableau your data! Fast and easy visual analysis with Tableau® software*. Indianapolis, IN: John Wiley & Sons Inc.

Nori, S. and Scott, J. (2017). *The definitive guide to BI and analytics on a data lake*. Santa Clara, CA: MapR Technologies, Inc.

Computerized Maintenance Management Systems (CMMS)

Bagadia, K. (2006). *Computerized maintenance management systems made easy: how to evaluate, select and manage CMMS*. New York, NY: McGraw-Hill.

Data Science

Battiti, R. and Brunato, M. (2011). *Reactive business intelligence*. Trento, Italy: Reactive Search Srl.

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Field Service

Advanced Field Service. (2015). *The service manager handbook: 2015/16 edition*. Wilmslow, UK: Advanced Field Service Solutions Ltd.

Eberline, P. (2015). *A diamond in the rough: unleashing the power of field service transformation*. Pleasanton, CA: ServiceMax Inc.

Finance and Strategy

Beckford, J. (2015). *The intelligent organisation: realising the value of information*. Abingdon, UK: Routledge/Taylor & Francis Group.

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- Fraser, D. (2010). *Relationships made easy*. Evesham, UK: HotHive Books.
- Godin, S. (2010). *Linchpin: are you indispensable?* London, UK: Piatkus.
- Hadfield, C. (2013). *An astronaut's guide to life on earth*. London, UK: Pan Macmillan.

Industrial Internet and Internet of Things

- Annunziata, M. and Evans, P. (2013). *The industrial internet@work*. Fairfield, CT: General Electric Company.
- BloomReach. (2015). *Why can't we be friends? The case for man + machine*. Mountain View, CA: BloomReach Inc.
- Evans, P. and Annunziata, M. (2012). *Industrial internet: pushing the boundaries of minds and machines*. Fairfield, CT: General Electric Company.
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- Kellmerein, D. and Obodovski, D. (2013). *The silent intelligence: the internet of things*. San Francisco, CA: DND Ventures LLC.
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Integrated Vehicle Health Management

- Jennions, I. eds. (2011). *Integrated vehicle health management: perspectives on an emerging field*. Warrendale, PA: SAE International.

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Key Performance Indicators

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Machine Learning

Flach, P. (2012). *Machine learning: the art and science of algorithms that make sense of data*. Cambridge, UK: Cambridge University Press.

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Maintenance

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Organic Rankine Cycle

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Railways

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Railway Asset Management

Provost, M. (2009). *Bombardier ORBITA™: railway asset management for the 21st century*. Open Conference on Availability and Resource Utilization, Swedish Institute of Computer Science, Kista, Sweden, 2nd December 2009. Derby, UK: Bombardier Transportation.

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Renewable Energy

Lynn, P. (2010). *Electricity from sunlight: an introduction to photovoltaics*. Chichester, UK: John Wiley & Sons Ltd.

Lynn, P. (2012). *Onshore and offshore wind energy: an introduction*. Chichester, UK: John Wiley & Sons Ltd.

Lynn, P. (2014). *Electricity from wave and tide: an introduction to marine energy*. Chichester, UK: John Wiley & Sons Ltd.

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Risk Analysis

Hubbard, D. (2009). *The failure of risk management: why it's broken and how to fix it*. Hoboken, NJ: John Wiley & Sons Inc.

Flaus, J. (2013). *Risk analysis: socio-technical and industrial systems*. London, UK: ISTE Ltd.

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Ships

Tupper, E. (2013). *Introduction to naval architecture*. 5th ed. Oxford, UK: Elsevier Butterworth-Heinemann.

Spare Parts Management

Slater, P. (2010). *Smart inventory solutions: improving the management of engineering materials and spare parts*. 2nd ed. South Norwalk, CT: Industrial Press Inc.

Statistics

Boddy, R. and Smith, G. (2009). *Statistical methods in practice*. Chichester, UK: John Wiley & Sons Ltd.

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Vibration

Mills, S. (2010). *Vibration monitoring and analysis handbook*. Northampton, UK: British Institute of Non-Destructive Testing.

Visualisation

Camões, J. (2016). *Data at work: best practices for creating effective charts and information graphics in Microsoft Excel®*. San Francisco, CA: New Riders/Peachpit/Pearson Education.

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