

CURRICULUM VITAE

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PRECIS

Joshua Floyd, MSc(Strategic Foresight), BE(Mech) Hons, works in the fields of strategic foresight and sustainability education, and conducts independent research in sustainable energy futures. He is Energy, Systems and Society Fellow at [The Rescope Project](#) (and was also a founding director), a founder of the Centre for Australian Foresight, and a member of the Editorial Board for the journal *Futures*. His professional practice involves working with organisations and individuals to develop rigorous, action-oriented thinking to improve their situations in the context of inherently uncertain futures. Between 2007 and 2013 he worked in various roles with the Master of Strategic Foresight program at Swinburne University of Technology, lecturing in units including 'Integral Perspectives' and 'Integral Thinking & Complexity'. In 2011 and 2012 he taught Principles of Sustainability in the Master of Engineering (Civil) program at Swinburne, and from 2004 to 2009 he taught the subjects 'Principles of Sustainability' and 'Energy for the Future' in the Graduate Certificate in Sustainability offered by Swinburne's National Centre for Sustainability. He taught in the units 'Anticipatory Innovation' and 'Ecological Literacy' at the Oases Graduate School located in Melbourne, Australia. From 2010 to 2016 Joshua was a director of the Centre for Education and Research in Environmental Strategies (CERES), also in Melbourne.

Joshua is an experienced speaker on energy futures, foresight, futures thinking and sustainability at seminars and conferences. He is a member of the World Futures Studies Federation and the Association of Professional Futurists.

Joshua's professional background was originally in mechanical engineering, working for more than ten years in technology innovation and commercialisation in the extractive metallurgy industry.

For further details in relation to his foresight practice, see joshfloyd.com.

SPECIALIST CAPACITY: SYSTEMS THINKING AND PRACTICE

Joshua originally developed practical capacity in systems thinking and practice through work in the mechanical engineering field, particularly in the areas of engineering design process, metallurgical processing systems design, process control design and plant commissioning.

Subsequent to this he developed his systems practice further through application to the fields of foresight and sustainability, working with colleagues whose experience in and contributions to systems practice is recognised globally: Ray Ison, Professor, Systems for Sustainability at Monash Sustainability Institute; Richard Bawden and Roger Packham, Systemic Development Institute; Frank Fisher, Professor of Sustainability, Faculty of Design, Swinburne University of Technology. As such his practice is particularly influenced by the second-order cybernetics or 'soft systems' lineages.

Joshua has extensive experience teaching systems theory, thinking and practice to graduate students in sustainability. This teaching is founded on context-oriented analysis, constructivist theory and action research principles.

He brings this systems approach to questions of energy and civilisational futures via the website Beyond this Brief Anomaly (see beyondthisbriefanomaly.org).

QUALIFICATIONS

Master of Science (Strategic Foresight), Swinburne University of Technology, Hawthorn, 2007
Bachelor of Engineering - Mechanical (Honours – first class), Monash University, Clayton, 1994

PUBLICATIONS

Palmer, G., & **Floyd, J.** (2020), *Energy Storage and Civilization: A Systems Approach*, in *Lecture Notes in Energy*, Springer. doi: [10.1007/978-3-030-33093-4](https://doi.org/10.1007/978-3-030-33093-4).

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- Floyd, J 2008, 'Towards an Integral renewal of systems methodology for futures studies', *Futures*, vol. 40, no. 2, pp. 138-49.
- Floyd, J 2007, 'Thermodynamics, entropy and disorder in futures studies', *Futures*, vol. 39, issue 9, pp. 1029-44.
- Floyd, J 2005, 'Visions for global justice through the lens of Sarkar's Social Cycle', *Journal of Futures Studies*, vol. 9, no. 3, pp. 47-60.