

# MIT Industrial Liaison Program Faculty Knowledgebase Report

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## 2021 MIT Perth Seminar

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November 3, 2021 7:00 am - 10:00  
am

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7:00 AM	Welcome and Introductions
7:05 AM	Challenges in Western Australia: Government Perspective  Peter Klinken Chief Scientist of Western Australia
7:20 AM	Challenges in the Oil and Gas Industry  Neil Kavanagh Chief Scientist <a href="#">Woodside Energy</a>
7:35 AM	Challenges in Mining and Metals Production  Nigel Steward Chief Scientist <a href="#">Rio Tinto</a>

7:50 AM

## The Science of Innovation: How Does MIT Do This So Well?

Phil Budden

Senior Lecturer, Technological Innovation, Entrepreneurship, and Strategic Management,  
[MIT Sloan School of Management](#)



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Senior Lecturer, Technological Innovation, Entrepreneurship, and Strategic Management  
[MIT Sloan School of Management](#)

Phil Budden is a Senior Lecturer at MIT's Management School, in Sloan's TIES (Technological Innovation, Entrepreneurship and Strategic-management) Group, where he focuses on 'innovation-driven entrepreneurship' (IDE) and innovation ecosystems.

Phil co-teaches in the successful 'Regional Entrepreneurship Acceleration Program' (REAP), an Executive Education program for regional teams from around the globe interested in accelerating 'innovation-driven entrepreneurship'; in the related 15.364 class, known as the 'Regional Entrepreneurship Acceleration Lab' (REAL), aimed at MBAs and Sloan Fellows; and on similar topics in a variety of degree and Executive Education settings.

Prior to joining MIT, Phil has held these posts with the British government: British Cabinet Office, London (5/6/2001 - 6/30/2002); British Embassy, Washington DC (7/1/2002 - 8/5/2007); 1st Secretary (UK-US Technology, Science & Innovation) Washington DC; Adviser to the PM at No10 (European/institutional strategy) London, UK.

Phil holds a BA and MA in History from Lincoln College, the University of Oxford; an MA in History and Government from Cornell University; and a PhD (DPhil) in History and International Political Economy from the University of Oxford.

8:10 AM

## Intrapreneurship – Cultivating Internal Innovation

Kevin Desouza

Professor of Business, Technology and Strategy  
Faculty of Business & Law, School of Management  
[Queensland University of Technology](#)

8:30 AM

From The Lab To Incorporation: MIT's Deshpande Center for Technological Innovation  
Leon Sandler  
Executive Director, [MIT Deshpande Center for Technological Innovation](#)



Leon Sandler  
Executive Director  
[MIT Deshpande Center for Technological Innovation](#)

As Executive Director of the Deshpande Center for Technological Innovation, Leon Sandler wears many hats: He is responsible for guiding the center's strategic direction, ensuring successful execution of its mission, and managing day-to-day operations.

With a strong background in the assessment of technologies for commercialization, Mr. Sandler leads a process the center calls "select, direct and connect". Through this process, faculty research projects are chosen to receive Deshpande Center grants, based on a project's potential commercial and social impact. Research teams then receive intensive guidance in how to bring their inventions to the marketplace and form new spinout companies.

Among his related duties Mr. Sandler:

- Mentors faculty and student researchers
- Coaches and lectures on technology innovation and entrepreneurship at the MIT Trust Entrepreneurship Center and the MIT Sloan executive education program
- Advises organizations around the world on how to move technologies from the lab to the marketplace
- Serves as the Deshpande Center's fundraiser-in-chief, responsible for keeping the center on a sound financial footing.

To ensure the success of all these activities, Mr. Sandler builds and continually renews a broad network of relationships. These include connections within MIT's well-developed entrepreneurial ecosystem and external ties with venture capitalists, corporate supporters, government agencies, and educational institutions.

#### **Business, Entrepreneurial and Educational Background**

Before joining the Deshpande Center in 2006, Leon Sandler held senior positions in general management, marketing, finance and business development at companies such as Boston Consulting Group, Eastman Kodak, Texas Instruments and Digital Equipment Corporation. He founded the consulting firm Monmouth Group, where he provided management, marketing and business development assistance to over twenty early-stage companies. This included co-founding and serving as the CEO of Nuvonyx, a maker of industrial laser systems; serving as CEO of several start-ups; and assisting many ventures as an interim executive or advisor.

Mr. Sandler received his B.S. degree in 1971 and his M.S. in Chemical Engineering in 1973 from Natal University in South Africa, and his M.B.A. in 1977 from the Stanford Graduate School of Business.

[View full bio](#)

8:50 AM

Panel Discussion – Closing the Gap

9:20 AM

Global Open Innovation at Rio Tinto

Jared Osborne  
General Manager Technical Development  
[Rio Tinto](#)

9:35 AM

Transforming Open Innovation at Woodside Energy

Fabio Mancini  
Chief Geophysicist  
[Woodside Energy](#)

9:50 AM

Summary and Closing Remarks