

MIT Industrial Liaison Program Faculty Knowledgebase Report

2021 MIT Perth Seminar

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

| | |
|---------|--|
| 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 Woodside Energy |
| 7:35 AM | Challenges in Mining and Metals Production Nigel Steward Chief Scientist Rio Tinto |

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](#)



Phil Budden

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 ExecEd 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 ExecEd settings.

Phil's approach combines academic, historical and real-world perspectives on how different stakeholders - including Entrepreneurs, Universities and 'Risk Capital' providers, alongside Corporate enterprises and Government policymakers - can all contribute to building successful innovation ecosystems. Phil is currently on leave from the British Government, and joins MIT having worked recently in Boston's private sector for the Royal Bank of Scotland's US subsidiary, Citizens Bank, where he focused on financing transatlantic (especially British-American) trade and investment. His background as a diplomat makes him well-suited to the 'global innovation' of REAP/REAL, the interplay among the REAP teams, and the negotiations within the 'innovation ecosystems' (especially between Corporate and Government stakeholders).

In the fall of 2012, while a Visiting Scholar at MIT, Phil had undertaken a project on innovation and entrepreneurship for the British Prime Minister's office at No 10 (and UK Trade and Investment) to inform the UK's Entrepreneurs Campaign. From 2007 until 2012, he had served as the British Consul General to New England, in which role he had been responsible for transatlantic business issues, including trade and investment, corporate/government affairs, as well as science and innovation, leading him to an abiding interest in entrepreneurship. In that time, he also moved the British Consulate to One Broadway (aka e70) to be closer to MIT, Sloan and Kendall Square.

Prior to MIT, Phil had joined the British Foreign Office in 1993, and spent his first decade as a diplomat focused on Britain's membership of the European Union (EU), involving its key economic, financial and technology policies. After 9/11, his second decade as a British diplomat was spent in the US: first at the British Embassy in Washington (2002-2007), focused on transatlantic economic and business issues, including technology security, international science and innovation links, and trade policy; and later based in Boston (2007-2012) as Her Britannic Majesty's Consul General to New England.

In sum, 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-today 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