

FabLearn Hong Kong 2016

探討如何建立 FabLab 及 STEM 教育最新趨勢
A conference about building FabLabs & latest trends in STEM education

與史丹福大學協作
In Collaboration with
Stanford University

10/11/2016

北角香港青年協會：講座
The Hong Kong Federation of
Youth Groups, North Point:
Talks

11/11/2016

九龍塘創新中心：講座 + 工作坊
Innocentre, Kowloon Tong:
Talks + Workshops

源自美國史丹福大學的 FabLearn 會議，匯聚學者、教育工作者、科學教育研究人員及從事政策制定的各界人士，探討如何把創新思維及動手解難的學習文化帶到現今的教學環境。

Originated in Stanford University, the FabLearn Conference has acted as an inspiring platform that brings academics and educators, learning sciences researchers and policy-advisors together to put curiosity, innovation, and hands-on problem solving back into today's schools.

www.stemhk.org



主辦單位
Organizers



全力支持
Supporting
Organizations



合作夥伴
Partners



Marcelo Worsley

史丹福學人及美國西北大學助理教授
Stanford Fellow and Assistant Professor at
Northwestern University

Marcelo Worsley 博士為美國西北大學學習科學 (Learning Sciences) 及電腦科學助理教授，主理創新科技教學實驗室，目前主力研究學生在 MakerSpace (自造者空間，又譯創客空間) 及 FabLab (自造實驗室，全稱 Fabrication Laboratory) 的學習表現，其研究工作涵蓋美國、俄羅斯及泰國等地不同學習環境。

Dr Worsley is an Assistant Professor of Learning Sciences and Computer Science at Northwestern University, where he directs the Technological Innovations for Inclusive Learning and Teaching Lab. His current research focuses on the study of student learning in MakerSpaces and FabLabs. He has worked in various learning environments in the different countries such as US, Russia and Thailand.

Mark Schreiber 曾獲被喻為「教育界格林美獎」的「國家年度教師 (National Teacher of the Year)」，並設計出自造實驗室工具組盒「Design Case」，在科技、工程、數碼製造及設計等方面有超過十五年經驗，現時為 Google 的《Startup Digest》編採自造科研資訊，並為史丹福大學教育研究院、英特爾及海外學校擔任顧問，亦是麻省理工學院國際 FabLab 網絡成員之一。

Named National Teacher of the Year, a.k.a. the "Grammy of teaching awards", Mr Schreiber is the inventor of the maker lab box kit Design Case. With over 15 years in technology, engineering, digital fabrication, and design, he currently curates for Google's Startup Digest for all things Maker, and consults for Stanford's Graduate School of Education, Intel, and independent schools overseas. He is also a member of MIT'S international FabLab network.

Mark Schreiber

史丹福學人及 Design Case Consulting
Stanford Fellow and Founder of
Design Case Consulting

STEM Initiative Hong Kong

STEM: Inspiration for Infinite Possibilities Tomorrow

We at STEM Initiative Hong Kong aim at fostering a challenging, interdisciplinary, experiential and multifaceted learning environment in local schools at all levels that excites, engages and enriches students through a unique, learn-by-doing curriculum of Science, Technology, Engineering, Mathematics subjects to help prepare them for excellence in life through positive thinking, exemplary critical skills, hard work and strong ethics.

STEM 教育行動

啟迪孩子心智·培養科學精神·為未來機遇奠基礎

香港 STEM 教育行動同仁，希望透過創新意念，靈活運用及結合科學 (Science)、科技 (Technology)、工程 (Engineering)、數學 (Mathematics) 等教學課程和學術範疇，為本地各級學生建立和提供跨學科、多元、以實驗實踐為本、活潑有趣的學習環境，激勵他們積極投入參與，從而建立正面心態、卓越思辨能力、敬業勤奮精神，為將來美好人生奠定基礎。

10/11/2016

北角百福道 21 號香港青年協會九樓演講廳
9/F, Auditorium, The Hong Kong Federation of Youth Groups,
21 Pak Fuk Road, North Point

所有演講將以英語進行 Speeches and presentations will be conducted in English

1400-1420	登記 Registration	
1420-1430	歡迎辭 Welcome Address	
1430-1530	孕育 FabLearn 生態： 從 FabLab 與 MakerSpace 啟發學習體驗 Cultivating the FabLearn Ecosystem: Using FabLabs and MakerSpaces to Foment Meaningful and Authentic Learning Experiences	Marcelo Worsley 博士 Dr Marcelo Worsley 央丹福學人及美國西北大學助理教授 Stanford Fellow and Assistant Professor at Northwestern University
1530-1600	本地校外 STEM 生態之探究 The Out-of-School STEM Ecosystem in Hong Kong: An Exploratory and Investigative Study	傅德偉先生 Mr David Foster 裘槎基金會總監 Director of Croucher Foundation
1600-1620	中小學及幼稚園 STEM 課程教授工程學可行嗎？ Could Engineering Be possible in K-12 STEM?	黃家偉博士 Dr Gary Wong 香港大學教育學院助理教授 Assistant Professor, Faculty of Education, The University of Hong Kong
1620-1640	學生分享：自動消毒門柄 Student Sharing: Self-sanitizing Door Handle	李鍵邦先生 Mr Michael, Li Kin Pong 第 44 屆日內瓦國際發明展金獎得主 Former student of CCC Tam Lee Lai Fun Memorial Secondary School, Gold medal winner of 44th International Exhibition of Inventions of Geneva
1640-1700	行業分享 Industry Sharing	容志偉先生 Mr Eric Yung PLAYNOTE 行政總裁 CEO, PlayNote Ltd.
首天完 End of Day One		

網上報名 : goo.gl/Jw0qUH
Online Registration

查詢 : 3583 3101
Enquiry



11/11/2016

九龍塘達之路 72 號創新中心
Innocentre, 72 Tat Chee Avenue, Kowloon Tong

所有演講將以英語進行 Speeches and presentations will be conducted in English

1400-1420	登記 Registration	
1420-1430	歡迎辭 Welcome Address	
1430-1530	如何令 Maker 思維融入校園 Integrating a Maker Mindset into your School	Mark Schreiber 先生 Mr Mark Schreiber 央丹福學人及 Design Case Consulting 創辦人 Stanford Fellow and Founder of Design Case Consulting
1530-1545	以教育重燃創業精神 Reigniting entrepreneurship spirit through education,	馬殷女士 Ms Erica Ma 浩觀共同創辦人及社區顧問 Co-founder & Community Advisor, CoCoon
1545-1600	當代生物技術應用 Contemporary Applications of Biotechnology	王殷厚教授 Prof Y.H. Wong 香港科技大學生命科學部 Division of Life Science, The Hong Kong University of Science and Technology
1600-1615	小休 Break	
工作坊 (每人只可參加一場) Workshop (Each participant can join one only)		
1615-1715	A Coding 程式設計 Coding	張澤松博士 Dr Ray Cheung 香港城市大學電子工程學系助理教授 City University of Hong Kong
	B 微波爐流動實驗示範 Portable Scientific Demonstrations Using a Microwave Oven	香港科技大學 The Hong Kong University of Science and Technology
	C 生物科技基礎技術 Basic Techniques in Biotechnology	香港科技大學 The Hong Kong University of Science and Technology
	D STEM 中有「E」： 從工程學動手體驗 STEM 教學 Remember to Spell "E" in STEM: Hands- on experience on teaching STEM in an engineering perspective	黃家偉博士及福文浩先生 Dr Gary Wong and Mr John Huen 香港大學教育學院及 Let's Code 代表 The University of Hong Kong and Let's Code
	E 魚菜共生及創客體驗—— 從常規課程引入 STEM 教學活動 Aquaponics and MakerSpace: Infusing STEM education into the regular curriculum	樂善堂余近卿中學 LST Yu Kan Hing Secondary School
	F 如何在本港學校實行 STEM 教育之經驗分享 STEM: How it can be delivered in the context of Hong Kong education	新生命教育協會平安福音中學 NLSI Peace Evangelical Secondary School
全會完 End of the Conference		