出國報告（考察）

參加 2015 全球教育創新(Reimagine Education)競賽及研討會

服務機關：行政院農業委員會水土保持局

姓名職稱：吳組長菁菁、柯科長勇全

派赴國家：美國

出國期間：104 年 12 月 5 日至 12 月 9 日

報告日期：105 年 1 月 12 日

摘要

2015 年全球教育創新獎(Reimagine Education Award)在美國費城華頓商學院頒獎，行政院農業委員會水土保持局所推動的大專生迴游農村計畫(Rural up!)，在全世界 500 多個頂尖大學、企業及研究機構所提出的各式科技創新教育計畫中，以連結高等教育創意以解決農村問題之核心，獲得來自 Google、Apple、QS…等數十位國際頂尖企業及大學專業評審所青睞，獲得亞洲區銅獎。

本次全球教育創新獎農委會水土保持局是唯一代表台灣入圍的隊伍，特別也是唯一以政府機關入圍的隊伍，各國對於台灣能夠由政府搭建平台，連結高等教育人才以解決農村多元議題之做法十分佩服及高度興趣，現場有來自英國牛津布魯克斯大學(Oxford Brookes University)、香港理工大學、菲律賓馬尼拉大學…等代表，紛紛表示是否有機會派代表來台參加大專生迴游農村計畫，實際了解計畫之推動方式，並且相互學習。

除了參加本次全球教育創新獎頒獎之外，也同時進行教育創新研討會，會場來有自各國代表分享各自獨特之創新計畫，藉此，可以觀察到目前高等教育方向，主要在培養未來所需人才、提升自我學習動機、運用科技低成本學習。大專生迴游農村計畫歷年已經有 700 位同學參與計畫，除了農村社區因此而改變外，也孕育了台灣農業未來所需人才，本次獲得全球教育創新獎之肯定，希望有更多大專院校能夠投入農業，關注農村。

目次

第一章 目的與行程

一、考察目的

　　為了改變全球高等教育的困境，培育具備有領導能力、創業精神及獨立思考能力，以符合未來世界所需求的學生。因此，由美國華頓商學院與全球大學評比機構英國 QS 合作所舉辦之全球教育創新獎，該計畫號稱高等教育界之奧斯卡獎於 2014 年第一次舉辦，向全世界各大專院校、企業團體及機關徵件，並由來自全球 40 個學者專家擔任評審，以選拔出卓越的教學創新計畫，以提供全球教育改革之參考應用。

　　此次考察目的主要除了參加全球教育創新獎之頒獎典禮之外，並藉由參加2015全球教育創新研討會，分享大專生洄游計畫給全世界關心高等教育之企業、機構及大學，並藉由參加研討會了解全世界各國菁英團隊如何透過教育提升就業能力，因應未來社會之所需，有助於我國未來提高年輕學子參與農業創新之參考。

二、考察人員

　　本次考察人員主要以水土保持局人員，特別是主辦大專生洄游農村計畫之行政院農業委員會水土保持局吳菁菁組長及柯勇全科長，也是本次報名參加該項競賽之主要人員。

三、考察行程

考察行程自 2015 年 12 月 5 日出發至 12 月 9 日返程，共 5 日，所有行程除搭機之外，均於費城之賓州大學內，行程如下。

【12 月 5 日（星期六）】

1. 桃園國際機場搭乘美國聯合航空班機起程前往舊金山國際機場。

2. 舊金山國際機場轉機至費城國際機場，前往賓州大學。

【12 月 6 日（星期日）】

賓州大學全球教育創新獎參訪及計畫簡報練習。

【12 月 7 日（星期一）】

1. 參加 2015 全球教育創新研討會。

2. 參加 2015 全球教育創新獎區域獎頒獎典禮。

【12 月 8 日（星期二）】

1. 參加 2015 全球教育創新研討會。

2. 參加 2015 全球教育創新獎各類獎頒獎典禮。

【12 月 9 日（星期三）】

1. 費城國際機場轉機至舊金山國際機場轉機。

2. 舊金山國際機場搭乘美國聯合航空班機返回台灣。

第二章 考察過程及內容說明

　　本次考察主要為參加 2015 全球教育創新研討會及全球教育創新獎之頒獎典禮。本次教育創新研討會共分為三天，現場共來自全球超過 300 位的參加者，會議中穿插來自各界之座談、專題演講、計畫分享等議題(如附件一)，會議內容相當緊湊充實。開場主題報告結束後，緊接著於二個分會場分別進行為期二天之計畫發表及論壇交流。

一、專題演講

　　本次研討會特地邀請第三次工業革命一書作者，傑瑞米.里夫金(Jeremy Rifkin)透過視訊專題演講，傑瑞米是享譽全球的未來學大師，也是第一個提出第三次工業革命概念的知名經濟學家及社會評論家。本次專題演講採用視訊方式進行，主講者遠在歐洲，然而，整場演講所呈現的畫面和速度，完全沒有影響演講的品質。

　　傑瑞米認為第三次工業革命將由再生能源和網路建設所構成，在 21 世紀藉由再生能源和網際網路技術結合起來，一般人可以在自己的家中、學校、工作場所等地方生產出綠色能源，並在能源、網路上共用，就像現在網際網路上發布和分享訊息一樣。同時，3D 列印(3D Printing)技術的發展，人們只要在電腦上設計，或藉由別人的分享，就可以用 3D 印表機列印出各式各樣的物品。新的能源搭配上新的製造模式：分散式生產(distributed manufacturing)將盛行，大幅改變人們做生意的方式、教育的方式，社會將轉型為分散式的資本主義 (distributed capitalism)。

　　因此，從大學教育來看，培育未來人才極為迫切，特別是，未來大學教育應該將培育重點轉移到高階資訊、奈米、生物科技、地球科學、生態學、系統理論及各式職業技能，特別是因應第三次工業革命所需要的再生能源，將建築及基礎設施轉化為微型發電站之能源儲存技術，架構智慧電網(smart grid)及電力運輸工具等。

第三次工業革命和國內目前熱烈討論的生產力 4.0，在應用智慧網路內涵改變生產效能及方式上概念相似，然而，第三次工業革命更談到了在能源、運輸及環境等議題，對於未來改變的幅度更大更具規模。特別是，目前歐洲已有多處採用試點的方式進行，更是引起與會者的高度興趣。

圖 1　傑瑞米.里夫金(Jeremy Rifkin)專題演講

圖 2　主辦單位說明競賽目的

二、計畫分享

（一）線上學習類(E-learning)

　　本次研討會線上學習類共發表 20 個計畫，本次線上學習類的計畫，著重可跨平台應用，讓學習可以在不同個人最適當的平台上使用，並且講求透過社群共同參與學習和教學。以來自美國約翰霍普金斯大學醫學院團隊為主所開發的 OSMOSIS: KNOWLEDGE DIFFUSION 計畫為例，即是透過網頁(web)和行動(mobile)平台學習醫學相關知識，利用來自學習社群上的出版商、作者、創作者、甚至於學生的反饋，提供了超過二萬五千個教學卡片和問題，並且透過行動裝置通知及管理學習進度，讓參加的人可以隨時知道何時或何種內容該去學習。
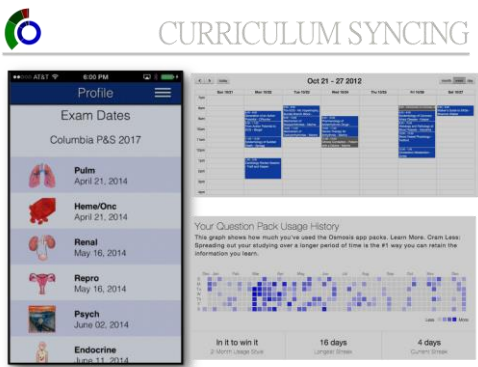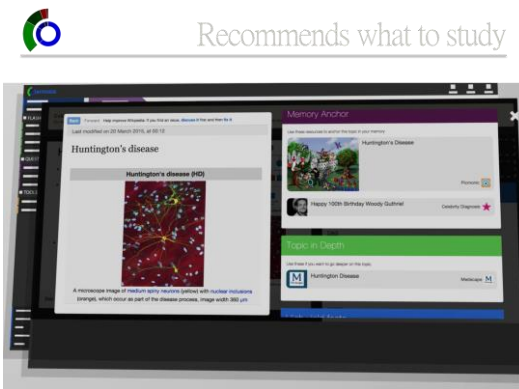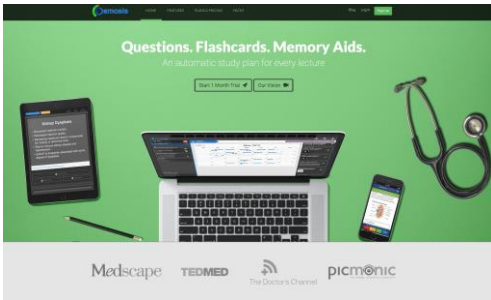

線上課程排程	線上學習建議

學習入口	系統內容

圖 3　OSMOSIS: KNOWLEDGE DIFFUSION

（二）混成學習 (Hybrid Learning)

　　本次研討會混成學習類共發表 14 個計畫，本次的混成學習類的計畫，著重

於學習過程的高互動，特別強調在課堂中的相互合作，並且應用線上工具來增加彼此資訊及知識交流。本次參賽可以看得出澳洲投入教育創新的努力，來自澳洲的團隊非常的多，來自雪梨科技大學(University of Technology Sydney)所推動的 LEARNING.FUTURES: A STRATEGY FOR LEARNING TRANSFORMATION AT UNIVERSITY SCALE 計畫為例，即是強調在雪梨科技大學中透過教室空間的在設計，提供學生及教師不再是單純的講課環境，而是具有高度互動討論的共同空間，並且透過這樣的設計，讓學生和老師能夠隨時應用身上的平台(手機、平版、筆記型電腦)連上網路。課程設計也不再以講授為主，而是透過實際真實的任務或案例指派，讓學生主動在圖書館、社群、youtube 等網路平台上主動找尋答案，以取代傳統的教科書。

UTS 的共同空間	自發性學習
UTS 討論空間規劃	

圖 4　LEARNING.FUTURES

（三）就業力教育 (Nurturing Employability)

　　本次研討會就業力教育類共發表 24 個計畫，就業力教育主要著眼於如何培育出與企業接軌的學生職能。以孟買印度理工學院於 2011 年由印度人力資源部所贊助成立的 SPOKEN TUTORIAL 計畫為例，主要是著眼於 IT 科技人才的培育，特別是在印度這樣的發展中國家，學生如果能夠具備有 IT 知識和技術，有助於提升他們的生活品質及就業能力，並且整體提升國家的競爭力。

　　這 個 計 畫 提 供 了 各 種 電 腦 程 式 語 言 的 免 費 線 上 課 程 (http://spoken-tutorial.org/)，讓有心學習程式語言的學生能夠透過每一段 10 分鐘以內的教學影片，透過影片完成自學，特別在印度有非常多的方言，因此 SPOKEN TUTORIAL 計畫特別著重於將教學影片，透過不同語言的說明，計畫總共提供了 22 種不同的地方語言，讓國家中不同區域的人可以學習。
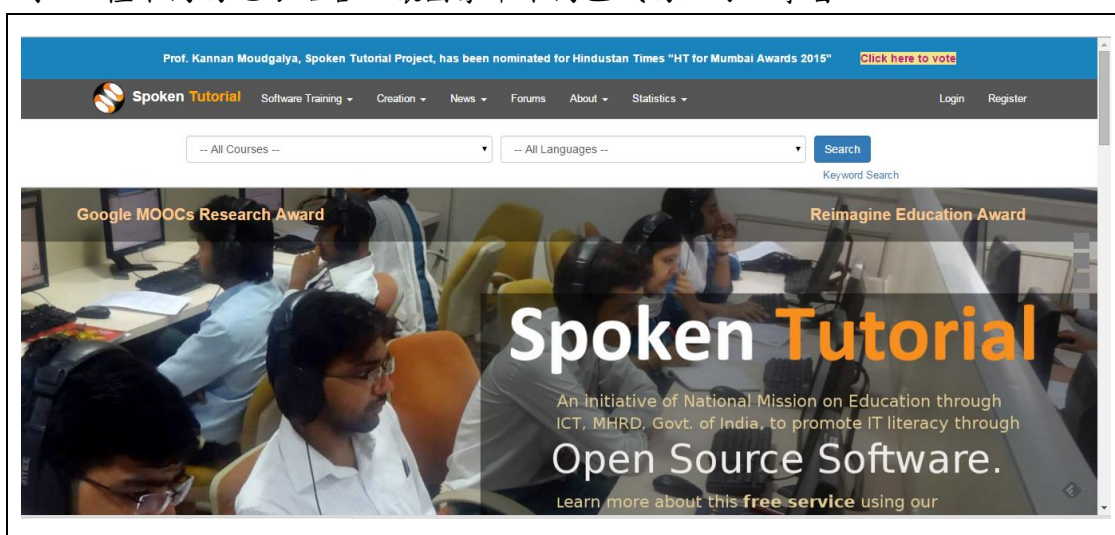

圖 5　SPOKEN TUTORIAL 平台

（四）臨場學習 (Presence Learning)

　　本次研討會臨場學習類共發表 17 個計畫，今年在臨場學習的類型非常多元，包含社會服務、技能教學、體驗教學…，本局這次參賽的大專生洄游農村計畫 (RURAL UP!) 即是報名這個類組。

　　每個計畫有 7 分鐘的時間分享給來自各界的參與者，現場時間掌握非常精準，幾乎沒有當場回應問題的時間，但是，大會提供非常多的交流時間，讓參與者可以透過不同的討論場合，交換彼此計畫的意見。

本次分享大專生洄游農村計畫，最早是因為 2010 年開始推動農村再生，主張農村社區由下而上的提案機制，雖然賦予了農村自主的權力，但是，我國農民平均年齡高達 62.1 歲，自主提案上缺乏對新科技的應用和創意，因此，本局於 2011 年開始推動大專生洄游農村計畫，希望引進大專院校學生們的多元專業及創意，讓學生團隊和社區居民共同合作，解決農村當前問題。

　　洄游計畫和其他一般政府的創新計畫不同之處，在於洄游計畫必須自主提案，並且於暑假期間與社區居民實際落實所提案的計畫內容，這個機制讓學生團隊每年所提出的構想，落實於社區的改變；參與的學生也透過實際解決社區問題，於過程中培養團隊合作能力、自我學習能力、問題解決能力、領導聆聽能力等。這也是有別於傳統學校課堂之處，也是本計畫在這麼多頂尖大學中能夠入圍的原因。

　　每一場的計畫分享，都透過手機上的投票系統，給予每個分享者即時評價，雖然現場報告已不計入整體得獎與否的分數。但對於講者給予評價的結果仍然相當的直接；本次大專生洄游農村計畫(RURAL UP)，由本局柯勇全科長上台分享，亦獲得非常高的評價。

介紹大專生洄游農村計畫(1)	介紹大專生洄游農村計畫(2)

大專生迴游農村計畫線上評價	研討會會場

圖 6　大專生迴游農村計畫分享

（五）教學法（Teaching Delivery）

　　本次研討會教學法類共發表 23 個計畫，本次會議中在教學法類別，各界所提出的方法都著眼於解決不同領域、不同認知程度以及擴大規模上。創新碩士學位世界排名前十的智利 Universidad Adolfo Ibanez，其所推動的 A METHOD FOR ENABLING INNOVATION LEARNING 計畫為例，主要是能夠培養來自不同地區和社經背景的學生團體，能夠俱備創新的能力，特別是能夠激勵學習者取得超越自我的成就。

　　這個計畫針對創新教學過程中，在類似的問題條件之下，有些成功，但有些卻失敗，因此，這個計畫即是透過研究學生在學習過程中所遭遇到的 14 個主要問題，進而引導學生在學習過程中如何解決這些問題，並達到極成功的結果。雖然，本計畫在分享報告時，並未直接告訴聽眾如何引導解決創新過程中的問題，這也顯示 7 分鐘的分享，並不容易窺見計畫之精髓。
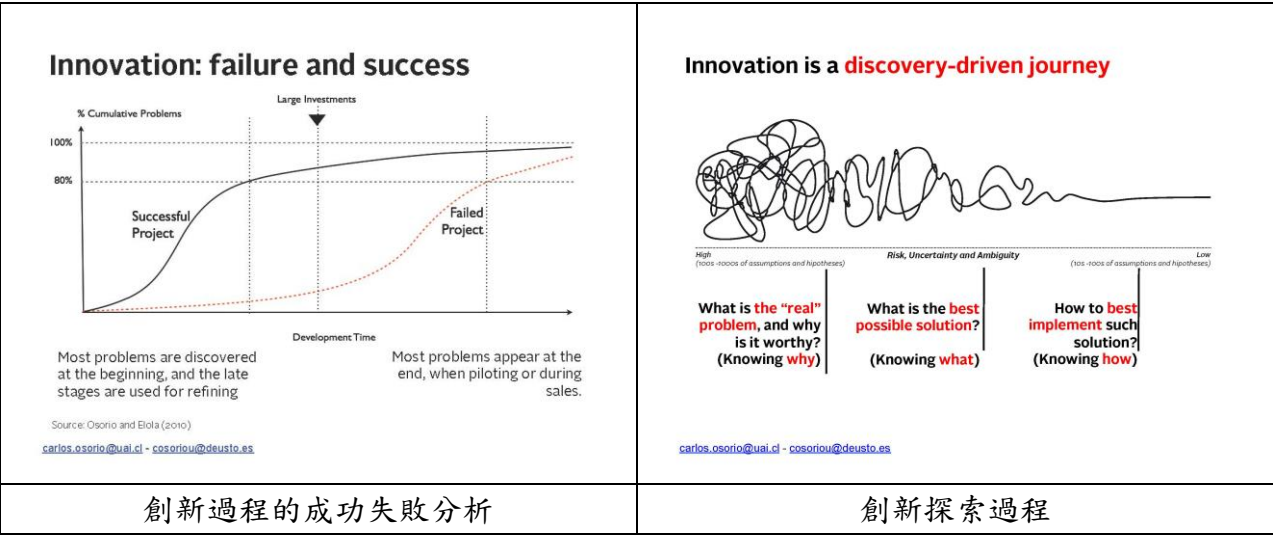
| 創新過程的成功失敗分析 | 創新探索過程 |

圖 7　A METHOD FOR ENABLING INNOVATION LEARNING 計畫

三、頒獎典禮

　　該競賽共分為數個獎項和類別，包含數位內容(Digital Content Award)、線上學習(E-Learning Award)、混成學習(Hybrid Learning Award)、資通訊教學工具(ICT Tools for Learning and Teaching Award)、資通訊支援服務系統(ICT Support and Services Award)、學習評估(Learning Assessment Award)、就業力養成(Nurturing Employability Award)、臨場教學(Presence Learning Award)、教學方法(Teaching Delivery Award)、教育類 APP(Educational App Award)及 7 個區域獎項(Regional Award)、生命科學(Life Sciences Award)、自然科學(Natural Sciences Award)、人文藝術(Arts And Humanities Award)、工程及資通(Engineering and IT Award)、社會及商管(Social Sciences and MBA Award)等獎項，並由這些獎項之中挑選出整體大獎(Overall Award)。

　　在參加本次會議以前，所有的參與團隊都僅被通知入圍，並未有其他額外的資訊。本項競賽比擬是教育創新界中之奧斯卡獎，因此，所邀請擔任評審有來自谷歌(Google)、蘋果(Apple)…等數十位國際頂尖企業專家及大學教授。各獎項之評審結果，在來到會場之前早就已經評選完竣，這也保持讓各國團隊參與三天的研討會之動力。

　　本局以大專生洄游農村計畫 (Rural up!)在 17 個入圍之亞洲團隊中，獲得亞洲區銅獎(如附件二)。本計畫也是本次全球教育創新獎唯一代表台灣入圍的隊伍，也是唯一以政府機關具名的隊伍，各國對於臺灣能由政府搭建平台，連結人才解決農村多元議題的創新做法，給予極高的肯定。

　　很可惜大專生洄游農村計畫沒有能夠在其他獎項中，搶下更多的榮譽。但是，各界仍然對於大專生洄游農村計畫(Rural Up)這個計畫保持極高的興趣，這也是本次參加全球教育創新研討會的主要目的，即是讓全球教育界都能有機會認識大專生洄游農村計畫。

柯勇全科長代表上台領獎	大專生洄游農村計畫獲亞洲區銅獎
水土保持局代表團合照	亞洲獲獎隊伍合照

圖 8 大專生洄游農村計畫獲亞洲區銅獎

第三章 心得與建議

本次參加全球教育創新研討會及頒獎，提出以下心得：

一、國際比賽利用雙主辦單位，擴大宣傳效果

全球創新教育獎比賽，由世界商學首屈一指的美國華頓商學院及英國評鑑大學機桝構 QS)合辦，透過知名學校可以邀請專業具公信力的評審專家，同時因為 QS 利用評鑑各國大學的研究單位數據資料，以網站等各管道，鎖定重要學校宣傳，因此，2015 年第二屆舉辦，但各國參加隊伍增加、幾乎所有重要大學與會，創新研究也分為多項目，讓比賽更多元及具創意。

二、研討會主題精準，與會討論熱絡

以本次研討會第一場演講就邀請第三次工業革命一書作者，傑瑞米.里夫金 (Jeremy Rifkin)透過視訊專題演講，接續的研究報告及研討議題，也以教育在未來趨勢及角色定位等為主；在研討會中除了有比賽入圍的隊伍外，也有不少自行報名，針對教育未來發展關心的教授出席討論，因此討論進行時之氣氛熱絡且深入，收穫豐富。

三、會場安排貼心自在，頒獎簡單隆重

研討會及簡報、頒獎，在賓州大學學區內 HILITON 飯店內，住宿及活動不會有交通問題，即便第二天研討會於 7 點 30 分即開始，但不會造成與會人員的困擾，會場雖然沒有華麗的陳設，但縝密的時間控制與細心的安排，無不自在；每天分層次的頒獎，在簡單宣布的過程屢有驚喜，不管是分區域性或是分組性獎項，都是實至名歸的隊伍，最後宣布全場首獎前，更隆重邀請前一屆首獎台灣得獎人葉丙成教授出席演講，讓我們也與有榮焉。

四、與會人員互動多，參與出席踴躍。

與會人員多數均有備而來，參與競賽入圍隊伍 7 分鐘分享，每場次結束休息時間，走道上大家互相交換名片及討論 7 分鐘以外更詳細的細節，此起彼落的自我介紹，打破國籍藩籬，也因為每一場的報告均別出心裁，每一天的出席人數幾乎沒有減少。

五、台灣可以和國外名校齊頭競賽，語言及口說能力是要件

這次我們以唯一的政府單位參選，在會場中引起不少教育界人士興趣，對於公部門在教育發展所打造的平台如何運作，是教育人員較少瞭解的範疇，因此，當我們透過有趣不呆板的簡報，及討論時間的互動，成功的完成國民外交和介紹台灣；因此，可知未來的競爭一定在外語的溝通及闡述事情的溝通能力，不只是年輕世代的專業養成，身為公務體系的一環，更責無旁貸。

　　另外，此次赴美國參加全球教育創新研討會及頒獎，針對此次參訪及考察提供下列建議：

一、找到業務上足以呈現價值的部分，並將這樣的價值加以彰顯，正是本次大專生洄游參加全球教育創新競賽的重要核心。對公務員來說，怎樣將自己手上的業務，不斷的改進並且找到價值，這需要有極大的熱情在背後支撐。然而，公務機關要營造這樣氛圍並不容易，特別是參與這次國際競賽，必須額外投入時間和精神，未來更應該在制度上鼓勵，方可激勵更多主動的創新和主動投入。

二、根據本次參賽經驗，本局有相當多的計畫是非常值得在國際上大顯身手，例如培根計畫或防災專員培訓等。然而，如何讓這些計畫在適當的舞台上發光，除了研討會議的知識交流之外，參加國際競賽也是值得考慮的做法，特別是選擇國際知名的競賽，更有強大的宣傳和曝光效果，值得未來本局考慮。

三、大專生洄游農村計畫已在國際上獲得初步肯定，未來建議應該可以廣納國際學生或學校參加，可以採用示範方式辦理；或是結合四健會之草根大使，應用原本既有之國際學生或是農業相關合作，讓國際有機會參與洄游計畫。

附錄

附件一

Reimagine Education 2015

The Oscars of Higher Education Innovation

Conference & Awards Ceremony
Philadelphia 7-9 December

Sponsored by:

TRACK ONE - Woodlands Ballroom (WB)
*Hybrid & e-Learning Innovators from
Around the World*

TRACK TWO - Regent Room (RR)
*Presence Learning, Best Teaching &
Assessment from Around the World*

8:00am - 9:00am	*Breakfast, Registration Opens & Welcome*	
9:00am - 9:20am	*Setting the Scene*	
9:20am - 10:30am	**e-Learning** *Presentation of shortlisted projects*	**Presence Learning** *Presentation of shortlisted projects*
10:30am - 11:00am	*Coffee Break & Poster Sessions (Living Room)*	
11:00am-12:10pm	**Hybrid Learning** *Presentation of shortlisted projects*	**Teaching Delivery** *Presentation of shortlisted projects*
12:15pm -1:00pm	Live Video Keynote: **Reimagine Education for the Third Industrial Revolution** *Jeremy Rifkin, Founder, Jeremy Rifkin Enterprises* (WB)	
1:00pm - 2:00pm	*Lunch & Poster Sessions (Living Room)*	
2:00pm - 3:30pm	**e-Learning & Hybrid Learning** *Presentation of shortlisted projects*	**Presence Learning & Teaching Delivery** *Presentation of shortlisted projects*
3:30pm - 4:00pm	*Coffee Breaks & Poster Sessions (Living Room)*	
4:00pm - 5:00pm	Panel: **Investing in Education - Accelerators & Innovation Hubs** Chair: *Martin Ihrig, Practice Associate Professor, University of Pennsylvania* **Don Burton**, *co-Founder, EDGE Edtech* **Kathleen deLaski**, *Founder, Education Design Lab* **Bart Epstein**, *Founding CEO, Jefferson Education Accelerator* **Russell Greiff**, *Managing Director 1776 Ventures*	**Learning Assessment & Nurturing Employability** *Presentation of shortlisted projects*
5:00pm-5:45pm	*Reception*	
5:45pm-5:50pm	*Welcome*	
5:50pm- 6:00pm	*Comment from the sponsor: Tec de Monterrey*	
6:00pm - 6:15pm	**Opening Remarks:** *Barbara Kurshan, Executive Director of Academic Innovation, University of Pennsylvania - Graduate School of Education*	
6:15pm - 7:15pm	Panel: **Government Education Policy** Chair: *Barbara Kurshan, University of Pennsylvania - Graduate School of Education* *Jim Shelton, Chief Impact Officer, 2U Inc. (Formerly Deputy Secretary, U.S. Department of Education)* *Shiv Khemka, Executive Chairman, The Global Education & Leadership Foundation* *Dr. Linda G. Roberts, National Consultant on Educational Technology* (WB)	
7:15pm - 8:00pm	Keynote: **Reinventing Education** *Anant Agarwal, CEO, edX* (WB)	
8:00pm - 10:00pm	*Dinner*	
9:00pm - 9:30pm	*Regional Awards Ceremony*	

TUESDAY, DECEMBER 8

THE INN AT PENN
3600 SANSOM ST.

TRACK ONE - Woodlands Ballroom WB
Thought Leaders Reimagine: Education Technology

TRACK TWO - Regent Room RR
Thought Leaders Reimagine: Employability

7:00am - 7:45am	*Breakfast*	
7:45am - 8:00am	*Introductions*	

8:00am - 9:00am

Panel Discussion: **Thought Leaders Reimagine the Future of Education**

Chair: *Jerry Wind, The Lauder Professor, The Wharton School*
Jaime Casap, Chief Education Evangelist, Google
Dr. Satya V. Nitta, Program Director, Learning Sciences and Cognitive Computing, IBM Research
Ben Sowter, Head of Research, QS Quacquarelli Symonds
Dr. John Williams, President, Muhlenberg College WB

9:00am - 9:45am

Keynote: **Metrics and Mindset: Reimagining the Education Marketplace**
John Katzman, Founder and CEO, Noodle Education WB

9:45am - 10:15am

Welcome to the Track:
Barbara Kurshan, University of Pennsylvania

Keynote: **Five EdTech Insights**
Charles McIntyre, CEO, EdTech Europe

Welcome to the Track:
Nunzio Quacquarelli, QS

Keynote: **Next Shift in Blended Learning**
Santiago Iñiguez, Dean of IE Business School & Vice-Chair of AACSB

10:15am - 10:30am *Coffee Break*

10:30am - 11:30am

Educational App, ICT Tools for Learning and Teaching, ICT Support and Services
Presentation of shortlisted projects

Panel: **What do Employers Want?**
Chair: *Nunzio Quacquarelli, CEO, QS*
Jaime Casap, Chief Education Evangelist, Google
Jake Schwartz, CEO, General Assembly
Candice Carpenter Olson, Co-CEO, Fullbridge
Santiago Iñiguez, Dean of IE Business School

11:30am - 12:30pm

Panel: **Advances in EdTech**
Chair: *Dr. Barbara Kurshan, Executive Director of Academic Innovation, University of Pennsylvania*
Mads Bonde, Founder and CEO, Labster
Colum Elliott-Kelly, Head of Education, Blippar
Dan Sandhu, Chairman and CEO, Digital Assess

Nurturing Employability (1)
Presentation of shortlisted projects

12:30pm - 1:30pm *Lunch & Poster Session (Living Room)*

1:30pm - 2:00pm

Keynote:
Innovation vs Intervention and Regulation
Dr. Wallace E. Boston, President and CEO, American Public University System

Nurturing Employability (2)
Presentation of shortlisted projects

2:00pm - 3:00pm

Panel: **Online Learning**
Chair: *Dr. Susan Aldridge, President, Drexel University Online*
Dr. Wallace E. Boston, President and CEO, American Public University System
Huntington D. Lambert, Dean, Harvard Continuing Education and University Extension
Joshua Kim, Director of Digital Learning Initiatives, Dartmouth College

2:30pm

Keynote: **Five Myths in Higher Education**
Andrew S. Rosen, Chairman and CEO, Kaplan Inc.

3:00pm

TUESDAY, DECEMBER 8

THE HYATT AT THE BELLEVUE
200 BROAD ST. PHILADELPHIA

Time	Event
3:00pm - 3:30pm	*Coffee Break & Poster Sessions (Living Room)*

3:30pm - 4:30pm	**ICT Tools for Learning and Teaching & ICT Support and Services** *Presentation of shortlisted projects*	**Panel: Innovation in Employability - Developing 21st Century Skills** Chair: *Charles McIntyre, CEO, EdTech Europe* *Andrew S. Rosen, Chairman and CEO, Kaplan Inc.* *Arun Sharma, Deputy Vice-Chancellor at Queensland University of Technology* *Rob Kingyens, President & CEO, Qubed Education*

5:15pm - 5:45pm	*Gala Reception* *Venue: The Hyatt at The Bellevue, 200 Broad St. Philadelphia*
5:45pm - 5:50pm	*Welcome from the hosts, Prof. Jerry Wind & Nunzio Quacquarelli*
5:50pm - 6:00pm	*Comment from the sponsor: IELTS*
6:00pm - 6:45pm	Keynote: **From Education to Learning: Building Sustainably with Content, Community, and Context,** *Dr. William Rankin, Director of Learning, Apple Inc*
6:45pm - 7:30pm	Keynote: **Iteration and Innovation in Education,** *Jaime Casap, Chief Education Evangelist, Google*
7:30pm - 10:00pm	*GALA DINNER & GLOBAL AWARDS CEREMONY*

WEDNESDAY, DECEMBER 9

THE WHARTON SCHOOL
HUNTSMAN HALL, 8TH FLOOR

8:00am - 9:30am	*Celebration and Networking Breakfast & Poster Sessions*
9:30am - 9:45am	*Live Video Keynote:* **Reinventing Higher Education to Prepare Future Leaders and Educators in a Global Context** *Ben Nelson, CEO and Founder, Minerva Project*
9:45am - 10:00am	*Video Keynote:* **Innovative Interdisciplinary Education** *Uri Reichman, President and Founder, IDC Herzliya*
10:00am - 11:30am	**Designing the Future of Education Workshop** *Innovative Pedagogical Approaches for:* • *Presence Learning* • *e-Learning* • *EdTech* • *Assessment* • *Employability* • *Sustainability*
11:30am - 12:00pm	*CLOSING REMARKS AND ANNOUNCEMENT OF 2016 Reimagine Education Competition and Conference*

Please note: This agenda is provisional and may be subject to change.
For the most up-to-date version please visit:
www.reimagine-education.com

Note: For the timetables concerning the presentation of shortlisted projects and poster sessions, please consult the appendix.

Anant Agarwal is the CEO of edX, an online learning destination founded by Harvard and MIT. Anant taught the first edX course on circuits and electronics at MIT, and is also an award-winning professor of electrical engineering and computer science there. He featured on Forbes' 2012 list of top education innovators. He holds a Ph.D. from Stanford and a BA from IIT Madras.

Mads Bonde invented the laboratory simulation platform Labster, which is now being used at universities globally-including Harvard, MIT, and Stanford. Mads holds a Ph.D. in biotechnology and educational research, and currently conducts research on simulations, educational technology and learning effectiveness.

Dr. Wallace E. Boston is President and CEO of American Public University System (APUS), which has grown to over 100,000 students majoring in 90+ degrees. He represents the Board of Overseers of the University of Pennsylvania Graduate School Of Education. He graduated from Duke University, has an MBA in Marketing and Accounting, and received a Ph.D. from the University of Pennsylvania.
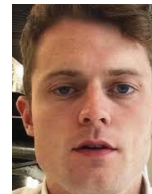
Don Burton has created innovative products and built businesses for over 25 years. Working at Disney, he created a novel approach to teaching and learning before founding Parent Partners and A-Ha! Learning. One of his products, Eebee's Adventures, has reached 80 million households. He is a graduate of Duke University and Harvard Business School.

Jaime Casap is Chief Education Evangelist at Google. He speaks on the subjects of technology, education, and innovation, and has been invited to speak at the White House. Jaime serves on the Board of Directors for various institutions, advises numerous education-focused organisations, and is an adjunct professor at Arizona State University.

Kathleen deLaski is a social entrepreneur and philanthropist in the education sector, founder or co-founder of four non-profits and two foundations. She is motivated by Abraham Lincoln's "right to rise" principle, believing both that education is the best lever to close the equity gap and that talent development is the best lever to fuel economic growth.

Colum Elliott-Kelly leads the Education team at Blippar, aiming to turn learning environments everywhere into interactive ones. Before joining Blippar, Colum co-founded an e-learning start-up bringing world-class lecturers and content to UK schools. He was educated at the University of Oxford.

Bart Epstein is CEO of the Jefferson Education Accelerator and Managing Director of the Jefferson Education Fund. He helped build Tutor.com into the world's largest online tutoring and homework help service, and teaches at the University of Virginia. He graduated from the State University of New York, where he founded the campus television station.

Russell D. Greiff, is a Managing Director of Education Ventures at 1776 Campus, Inc. He is Chief Strategy and Development Officer at Learnist, Inc. (formerly Grockit Inc.) and has over 15 years' experience in launching and running education, social entrepreneurship, and interactive technology businesses. He holds a BA from Washington University in St. Louis and an MBA from Harvard Business School.

Martin Ihrig is a Practice Associate Professor at the University of Pennsylvania and President of I-Space Institute, LLC. He is Visiting Professor at Lappeenranta University of Technology in Finland. He received his Master of Business Studies from University College Dublin and his Doctorate in Business Administration from Technische Universität Berlin. His research projects have been funded by the Bill & Melinda Gates Foundation.

Santiago Iñiguez is Dean of Instituto de Empresa (IE) Business School. He co-wrote several books on moral and political philosophy, and articles and case studies on business management. He is Chairman of the European Quality Link, whilst serving on the boards of the European Foundation for Management Education and Association of MBAs UK.

Dr. Susan C. Aldridge serves as Senior Vice-President for Online Learning and President of Drexel University Online. She is a frequent keynote speaker and a consultant for University presidents, government officials, and business leaders regarding developing distance education models, international education initiatives, and retention/degree completion opportunities.

John Katzman has founded and run three education companies: The Princeton Review, 2U, and Noodle Education. He sits on the Boards of the Woodrow Wilson Foundation, the National Association of Independent Schools, and the National Alliance for Public Charter Schools. Through his for-profit, non-profit, and policy work, he aims to help sculpt a constantly-innovative educational edifice.

Shiv Khemka is the Chairman of The Global Education & Leadership Foundation (www.tgelf.org), which supports those with leadership potential at schools and colleges. The program has trained over 70,000 teachers around the world, reaching 2.5 million children and 14 countries. He was awarded the Outstanding Contribution to Education Prize at last year's Reimagine Education Awards & Conference.

Joshua Kim is the Director of Digital Learning Initiatives at the Dartmouth Center for the Advancement of Learning. He was previously the Director of Learning and Technology for Dartmouth's Master of Health Care Delivery Science (MHCDS) program. He writes Inside Higher Ed blog Technology and Learning, and has a Ph.D. in Sociology and Demography from Brown University.

Rob Kingyens seeks to develop tomorrow's innovators and leaders by developing pioneering educational programs. In addition to speaking engagements and being cited in industry publications on the effective application of online learning education technologies, he has served in various management and executive level roles for global education, government, and non-profit organizations.

Dr. Barbara Kurshan helps develop new educational programs at the Penn Graduate School of Education. She has been involved with education and technology for over 35 years, finding ways to manifest technology's potential while supporting new education companies. Her teaching career began at Virginia Tech, where she obtained her doctorate. She developed the first children's products for Microsoft, and has won numerous awards.

Huntington D. Lambert is Dean at Harvard's Continuing Education and University Division, having previously led the Division of Continuing Education at Colorado State University. He has received an MSc in Management from Massachusetts Institute of Technology's Sloan School of Management. His career is dedicated to ensuring comprehensive access to high-quality education.
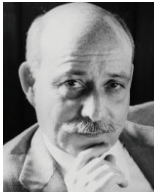
Charles McIntyre has built businesses in numerous sectors. He also sits on the boards of companies in the media and education sectors. In 2013, he started focusing on the e-Learning and EdTech markets, becoming responsible for a number of key industry initiatives including EdTech Europe, an annual summit for investors interested in the online education market.

Dr. Satya Nitta is currently the Program Director of the Cognitive Learning Sciences research group at IBM's T J Watson Research Center. Previously, he was the Technical Advisor for IBM Research Worldwide. He received a Ph.D. from Rensselaer Polytechnic Institute and has been at IBM since 1999. He has authored or co-authored over twenty-five publications and currently holds over 70 US patents.

Ben Nelson is the founder, chairman, and CEO of the Minerva Project. Mr. Nelson graduated from the Wharton School of Pennsylvania with a BSc in Economics, and has acted as an executive at Starfish, an online photo service. His project aims to reform the pedagogies of liberal arts colleges, providing remote tuition and a multinational educational experience.

Candice C. Olson is committed to enabling college students worldwide to find a meaningful career direction, and excel throughout that career. Over two decades, she has devoted her efforts to forging paths for entrepreneurs by identifying opportunities at the intersection of life transitions, peer communities, and the internet. She is currently co-CEO at The Fullbridge Program, which helps students overcome workplace skills gaps.

Nunzio Quacquarelli is the founder and CEO of QS Quacquarelli Symonds Ltd., Nunzio took his MBA at The Wharton School after gaining an MA from the University of Cambridge. He is recognized as an authority on business schools and universities worldwide, as a founder of the QS World University Rankings, launched in 2004. He is the co-founder of the Reimagine Education Awards.

William Rankin is a Director on the education team at Apple Inc. Prior to this, he worked as an academic for 24 years. He has received numerous awards for teaching and has presented on the implications of educational technology and emerging pedagogies in more than 25 countries.

Prof. Uriel Reichman is President and founder of Interdisciplinary Center (IDC) Herzliya, the first private Israeli institution of Higher Education. He received LL.B. and LL.M. degrees with honors from the Law Faculty at the Hebrew University of Jerusalem, before earning his Law doctorate (J.S.D.) from the University of Chicago Law School.

Jeremy Rifkin is the author of bestselling book The Third Industrial Revolution: How Lateral Power is Transforming Energy, the Economy, and the World. He advises both the European Union, and heads of state worldwide. He is a senior lecturer at the Wharton School's Executive Education Program at the University of Pennsylvania and the President of the Foundation on Economic Trends in Washington D.C.

Linda G. Roberts is a former reading specialist, university professor, and Academic Dean. She holds a B.S. from Cornell University, an Ed.M. from Harvard University, and an Ed.D. from the University of Tennessee. She has directed the U.S. Department of Education's Office of Educational Technology, serving as the Secretary of Education's Special Adviser on Technology for the Clinton administration.

Andrew Rosen is Chairman and CEO at Kaplan Inc., one of the largest, most diverse education organizations worldwide. At Kaplan, Rosen founded Concord Law School, and has developed Kaplan University to more than 50,000 online students while overseeing the creation of new blended online and classroom-based learning opportunities. He graduated from Yale Law School.

Dan Sandhu is founder and CEO of numerous technology-focused businesses worldwide. He is currently chairman & CEO at Digital Assess, a SaaS-based Assessment Product suite in the education market, a venture Partner at Emerge Education, and an Ed Tech Accelerator Founder at SwiftShift. He still aims to invest in both the UK and emerging markets worldwide.

Jake Schwartz is co-founder and CEO of General Assembly, recently voted Fast Company's #1 Most Innovative Company in Education. General Assembly has reached 14 cities in 4 years, helping more than 70,000 students create opportunities through educational programming in technology, business and design. He has a BA from Yale University, and earned an MBA with Honors from The Wharton School.

Prof. Arun Sharma is currently Deputy Vice-Chancellor at Queensland University of Technology. There, he has facilitated the development of numerous successful research programs across numerous specialities: robotics, 3D printing & bio-fabrication. He has served in many advisory roles at both the national and state level.

Jim Shelton is the former Deputy Secretary of Education for the Obama administration, and is now Chief Impact Officer at 2U. He has worked for the Bill & Melinda Gates Foundation as Program Director for Education, and holds Master's Degrees in Business Administration and Education from Stanford University.

Ben Sowter leads the QS Intelligence Unit and oversees the compilation the World University Rankings, as well as of all the QS rankings and research reports. An expert in global higher education, Ben regularly speaks on the conference circuit and has presented his research work in over 30 countries.

John Williams is President of Muhlenberg College. He has worked as a corporate executive, entrepreneur, and strategy consultant, co-founding the co-learning, co-working venture iStartup. Williams graduated magna cum laude from Amherst College. He also possesses a JD from Harvard Law School and an MBA from Harvard Business School.

Professor Jerry Wind, has pioneered research on organizational buying behavior, market segmentation, conjoint analysis, and marketing strategy. He consults with major firms worldwide, has lectured at over 50 universities worldwide, is the recipient of numerous academic awards, and is the co-founder of Reimagine Education. He currently teaches MBA and executive education courses, and has published over 250 research papers and over 20 books.

Prof. Ping-Cheng Yeh is one of the world's leading innovators in modern education and e-learning. He won the inaugural Overall Award and E-Learning Award in the Wharton-QS 2014 Stars Awards, having designed a MOOC-based multi-student social game to enhance learning experiences. His speeches have motivated numerous teachers in Asia to adopt new pedagogies.

Wharton
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SEI Center
FOR ADVANCED STUDIES
IN MANAGEMENT

QS STARS | AWARDS 2015
REIMAGINE EDUCATION

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附件二

Wharton UNIVERSITY *of* PENNSYLVANIA

SEI Center FOR ADVANCED STUDIES IN MANAGEMENT

QS STARS AWARDS 2015 REIMAGINE EDUCATION

Rural up!

Soil and Water Conservation Bureau, Council of Agriculture

Bronze Winner

for the category of

Regional Award Asia

The Wharton School and QS recognize the above as a shortlisted entry of the
Wharton-QS Stars Reimagine Education Awards 2015

*Reimagine Education celebrates and inspires pedagogical innovation
in higher education around the world*

Nunzio Quacquarelli
Managing director, QS Quacquarelli Symonds

Jerry Wind
The Lauder Professor & Professor of Marketing, The Wharton School
Director, SEI Center for Advanced Studies in Management