開幕典禮暨大師講座

一、參加人員：國內外參展師生

二、活動時間：113 年 1 月 29 日 (一) 上午 10:00 至 11:30

三、活動地點：國立臺灣科學教育館 7 樓西側特展廳

(場內座位有限，網站同步直播，歡迎未能入場來賓觀禮。)

四、活動流程：

時間	內容
09:30-10:00	來賓接待
10:00-10:10	典禮開始 / 表演活動
10:10-10:15	介紹與會貴賓
10:15-10:20	長官致詞
10:20-10:35	介紹各國代表隊並進場
10:35-10:40	國立臺灣科學教育館館長致歡迎詞
10:40-11: 30	大師講座—「Learning by Doing」 林一平教授主講 Q&A 及結語
11:30-	禮成

大師講座簡介：

主題：Learning by Doing

盧梭在他具有影響力的小說《艾米爾》闡述了一種新的教育理論，強調表達的重要性，而不是抑制，以培養一個平衡、自由思考的孩子。創造者造萬物皆善，人類干預使它們變得邪惡。盧梭主張，傳統的教育方式，通過紀律和死記硬背教導道德品格，只會培養出暴君和奴隸。「杜威理論」對教育的創新理念聚焦於體驗學習的概念：即通過積極參與材料，而非被動聽講座或死記硬背事實，來實現最佳學習。他還主張在課堂中採用先進的提問和對話方法，以促進更有意義的交流。他主張所有形式的知識都應該與實際的現實世界經驗密不可分，只有當學生親身參與材料或透過實驗進行學習時，探索和學習才能真正發生。本演講敘述如何以 AI 及物聯網達到杜威做中學的目的。這也是 TISF 該追求的目標。

講者簡介

林一平 (Yi-Bing Lin)

電子郵件： liny @ cs.nycu.edu.tw
學　　歷：美國華盛頓大學資訊工程博士
現　　職：國立陽明交通大學終身講座教授
研究興趣：個人通信網路、行動計算、系統模擬

經歷	⋆ Bell Communications Research (Bellcore) 擔任 Research Scientist(1990) ⋆ 國立交通大學資訊工程系系主任 (1997~1999) ⋆ 國立交通大學研發長 (2004~2006) ⋆ 國立交通大學資訊學院院長 (2007~2011) ⋆ 國立交通大學副校長 (2011~2014) ⋆ 科技部政務次長 (2014~2016.05)	⋆ 台灣聯合大學系統副校長 (2016.11~2019) ⋆ 中華大學講座教授 (2019~) ⋆ 東海大學名譽講座教授 (2020~) ⋆ 國立成功大學敏求智慧運算學院講座教授 (2021~) ⋆ 中國醫藥大學兼任講座教授 (2021~) ⋆ 亞洲大學兼任講座教授 (2021~)
榮譽	⋆ 112 學年度李國鼎榮譽學者 (2023) ⋆ 傑出領袖典範獎，第四屆全球物聯網與智慧服務最佳典範金龍獎 (2022) ⋆ 2022 未來科技獎 110 年度中國電機工程學會會士 ⋆ 亞軍 ,2020 全球資通訊科技應用傑出貢獻獎 - 傑出公眾合作服務獎 ⋆ 大渡山學會榮譽講座，東海大學·大渡山學會 (2020) ⋆ 2020 智慧城市卓越貢獻獎，社團法人台灣智慧城市發展協會 ⋆ 2020 CES(Consumer Electronics Show) Innovation Awards, Las Vegas, USA	⋆ Digital Opportunity/Inclusion Merit Award, World Information and Technology and Service Alliance (WITSA) Global ICT Excellence Award 2019 ⋆ 斐陶斐榮譽學會第 24 屆傑出成就獎 (2019) ⋆ Outstanding Achievement in Member Recruitment Award, IEEE(2018) ⋆ 李國鼎獎章，管理科學學會 (2015) ⋆ 電機工程獎章，中國電機工程學會 (2014) ⋆ Merit NSC Research Fellow Award(2012) ⋆ National Chair Award, Ministry of Education (國家講座)(2011) ⋆ TWAS Prize in Engineering Sciences(2011)

Keynote Speech

Topic : Learning by Doing

In the influential novel Emile (1762) Rousseau expounded a new theory of education, emphasizing the importance of expression rather than repression to produce a well-balanced, free-thinking child. The Creator makes all things good; man meddles with them and they become evil. Contending that the traditional means of teaching moral character through discipline and learning by rote produced tyrants and slaves. Dewey Theory’ s innovative ideas about education focused on the idea of experiential learning : the idea that we can learn best by actively engaging with the material rather than passively listening to lectures or memorizing facts. He also advocated for progressive methods of powerful questioning and dialogue to enable more meaningful exchange during classrooms. He argued that all forms of knowledge should be grounded inseparably in practical, real-world experience and that meaningful exploration and learning could only truly take place when students engaged with their material firsthand or through experimentation. This presentation discusses how to achieve Dewey's educational goals through AI and the Internet of Things (IoT). This aligns with the objectives that TISF should pursue.

Speaker:

Jason Yi-Bing Lin

Education

Ph.D., Computer Science, University of Washington.

Experience

Lifetime Chair Professor , Department of Computer Science, National Yang Ming Chiao Tung University (2021~)

Adjunct Chair Professor, Asia University (2021~)

Adjunct Chair Professor, China Medical University (2021~)

Chair Professor, Miin Wu School of Computing, NCKU (2021~)

Adjunct Chair Professor, China Medical University (2021~)

Awards

2021 Ta-You Wu Memorial Award

2021 Taiwan Outstanding Young Women in Science

2020 Amazon AWS Machine Learning Research Awards

2019 FAOS Young Scholar Innovation Award

2018 MOST Young Scholar Fellowship

2017 Google Faculty Research Awards

Research Interest:

Personal Communication Services Network, Mobile Computing, System Simulations

Honor & Awards:

2023 K. T. Li Honorary Scholar Award

Paragon Award (Leadership), 2022 GLOBAL BEST PRACTICE OF IOT AND SMART SERVICE CONFERENCE, 2022

2022 MOST FutureTech Award

Fellow, The Chinese Institute of Electrical Engineering 2021

Runner Up, 2020 WITSA Global ICT Excellence Awards – Public/Private Partnership Award

DDS Chair Professor, DDD Institute of Advanced Education, 2020

2020 Excellent Contribution Award for Smart City,Taiwan Smart City Association

2020 CES(Consumer Electronics Show) Innovation Awards, Las Vegas, USA Digital Opportunity/Inclusion Merit Award, World Information and Technology and Service Alliance (WITSA) Global ICT Excellence Award 2019

Outstanding Achievement Award, The Phi Tau Phi Scholastic Honor Society of the Republic of China, 2019

Outstanding Achievement in Member Recruitment Award, IEEE, 2018

K. T. Li Management Medal, Chinese Management Association ,2015

Medal, The Chinese Institute of Electrical Engineering, 2014

Merit NSC Research Fellow Award, 2012

National Chair Award, Ministry of Education, 2011