

**國立臺灣科技大學 103 年度頂尖計畫成果發表會**  
**2014 Annual Research Achievements of Taiwan Tech Top University Projects**

會議日期：103 年 11 月 14 日(五)	Date: Friday, Nov 14 <sup>th</sup>
會議地點：綜合研究大樓 102 國際會議廳	Venue: RB102
主辦單位：臺灣建築科技中心	Organizer: Taiwan Building Technology Center

\*每頂尖計畫簡報時間約 15mins

Time	Topic	Speaker
09:00-10:30	<b>建築智慧系統開發與應用 Development and Application of Building Intelligent System</b>	
	建築的智慧綠網路 Smart Green Networks	電子系方文賢教授 Prof. Wen-Hsien Fang, Department of Electronic and Computer Engineering
	建構支援智慧建築之永續物聯網架構 Towards a Sustainable IoT Framework for Intelligent Building	工管系周碩彥教授(楊成發教授代) Prof. Shuo-Yan Chou, Department of Industrial Management
	使用自然因子提高室內環境舒適度之創新型綠能整合計畫 An Innovative Green Energy Integration Project -The Application of Natural Factors to Improve Indoor Environmental Comfort Degree	電子系黃忠偉教授 Prof. Allen Jong-Woei Whang, Department of Electronic and Computer Engineering
	智慧建築之前瞻光纖感測與無線光通訊研發建構 Investigation and establishment of advanced optical sensing and communication for smart buildings	電子系廖顯奎教授 Prof. Shien-Kuei Liaw, Department of Electronic and Computer Engineering
	空間色彩照明之優質設計 Premium Design of Space Color Illumination	色彩所羅明教授(歐立成教授代) Prof. Ronnier Luo, Graduate Institute of Color and Illumination Technology
	高齡化社會 ICT 技術開發與應用 Advanced Study on ICT Techniques Development and Applications for Aging Society	電機系蘇順豐教授(郭重顯教授代) Prof. Shun-Feng Su, Department of Electrical Engineering
10:30-10:50	Coffee Break	
10:50-12:05	<b>建築材料研究與應用 Research and Application of Building Materials</b>	
	永續綠建材與綠混凝土之研究 The Study on the Sustainable Green Building Materials and Green Concrete	營建系黃兆龍教授 Prof. Chao-Lung Hwang, Department of Civil and Construction Engineering
	有機/無機複合紡織品於智慧建材之應用 Applications of Organic/Inorganic Hybrid Textile in Smart Building Materials	材料系李俊毅教授 Prof. Jiunn-Yih Lee, Department of Materials Science and Engineering
	智慧綠建築室內環境品質改善計畫 Improvement Project of the Environmental Quality of Smart Green Building	化工系顧洋教授 Prof. Young Ku, Department of Chemical Engineering
	綠建築儲能系統整合與開發 The Development of an Integrated Energy Storage System for Green Buildings	化工系黃炳照教授 Prof. Bing-Joe Hwang, Department of Chemical Engineering
	智慧綠建築用的新材料開發及應用 Development and application of new materials for smart green building	化工系廖德章教授(江志強教授代) Prof. Der-Jang Liaw, Department of Chemical Engineering
12:05-13:30	Lunch	

13:30-15:00	<b>建築節能研究與應用 Research and Application of Energy Saving</b>	
	建築節能與通風空調 Development and Application of Intelligent Techniques for Ventilation and Energy Saving of Building	機械系黃榮芳教授 Prof. Rong Fung Huang, Department of Mechanical Engineering
	智慧建築玻璃與照明 The R & D of Optical Materials and Devices for Green Technology Buildings—Smart Lighting & Window	光電所黃柏仁教授 Prof. Bohr-Ran Huang, Graduate Institute of Electro-optical Engineering
	智慧型綠建築空氣過濾濾材及系統之建立 Development of smart filters for green building-materials and system	化工系洪儒生教授(李振綱教授代) Prof. Lu-Sheng Hong, Department of Chemical Engineering
	開發高發電與節效率之太陽能節能玻璃應用在全球低碳建築 Development of High Power Generation and High Energy Saving Heat Insulation Solar Glass and Application on Global Low Carbon Building	營建系楊錦懷教授(陳弈霖博士代) Prof. Chin-Huai Young, Department of Construction Engineering
	綠色能源直流微電網技術 Smart DC Micro-Grid System Based on Green Energies	電機系黃仲欽教授 Prof. Jonq-Chin Hwang, Department of Electrical Engineering
	製作人性化照明應用於光療法與打造光、色、音融合之人性化空間 Fabricating ergonomic lighting and building an ergonomic space by integrating light, color and music	電子系胡能忠教授 Prof. Neng-Chung Hu, Department of Electronic and Computer Engineering
15:00-15:20	Coffee Break	
15:20-16:30	<b>永續建築創新與創意 Innovation and Creative Design for Sustainable Buildings</b>	
	生命週期性能評估與決策支援系統 Building Life-cycle Performance Evaluations and Decision Support Systems	營建系陳正誠教授(邱建國教授代) Prof. Cheng-Cheng Chen, Department of Civil and Construction Engineering
	建築資訊平台與綠建築應用 Integrated Application of Building Information Modeling (BIM) and Sustainable Building	建築系施宣光教授 Prof. Shen-Guan Shih, Department of Architecture
	參與式設計之實踐 Practice of Participatory Design	建築系邱奕旭教授 Prof. I-Hsu Chiu, Department of Architecture
	發展台灣創意母體特色暨感知互動實驗室 The Commatrix and Design Perceptual Awareness Lab( D-PAL)	工商業設計系王韋堯教授(孫春望教授代) Prof. Regina Wang, Department of Industrial and Commercial Design
16:30	The End	