

國立臺灣科技大學 102 年度頂尖計畫成果發表會
2013 Annual Research Achievements of Taiwan Tech Top University Projects

會議日期：102 年 12 月 3 日(二)

Date: Tuesday, Dec 3rd

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

Time	Topic	Speaker
09:30-09:40	開幕致詞 Opening Remarks	
09:40-10:10	專題演講：從歐盟 FP7 及 H2020 節能建築研究目標談臺科大參與歐盟計畫之成果 Keynote Speech: An overview of the experiences with the EU Energy Efficient Building Projects in FP7, its continuation in Horizon 2020 and the main projects where NTUST is participating	Dr. Stefano Carosio Industrial Innovation and Technologies, Business Line Manager, D'Appolonia, Italy
10:10-10:40	本校參與歐盟 FP7 計畫之成果(一) The EU FP7 Projects with Taiwan Tech's Participation	
	DHISGLCB - Development of Heat Insulation Solar Glass for Low Carbon Buildings	營建系楊錦懷教授 Prof. Chin-Huai Young, Department of Construction Engineering
	CETIEB - Cost-Effective Tools for Better Indoor Environment in Retrofitted Energy Efficient Buildings	電子系黃忠偉教授 Prof. Allen Jong-Woei Whang, Department of Electronic and Computer Engineering
	ECOSHOPPING - Energy efficient & Cost competitive retrofitting solutions for Shopping buildings	電子系黃忠偉教授 Prof. Allen Jong-Woei Whang, Department of Electronic and Computer Engineering
10:40-11:00	休息	
11:00-11:40	本校參與歐盟 FP7 計畫之成果(二) The EU FP7 Projects with Taiwan Tech's Participation	
	SUS-CON - SUSTainable, innovative and energy-efficient CONcrete, based on the integration of all-waste materials	營建系黃兆龍教授 Prof. Chao-Lung Hwang, Department of Construction Engineering
	NANOCOOL - An Energy Efficient Air Conditioning systems with Temperature and Humidity independent controls based on the combination of a Liquid Desiccants Cycle with an adapted conventional air cooling system	材料系朱瑾教授 Prof. Jinn P. Chu, Department of Materials Science and Engineering
	HOLISTEEC - Holistic and Optimized Life-cycle Integrated Support for Energy-Efficient building design and Construction	建築系江維華教授 Prof. Wei-Hwa Chiang, Department of Architecture
11:40-12:30	建築材料研究與應用 Research and Application of Building Materials	
	多功能性有機/無機混成材料於智慧建材之應用 Multifunctional organic/inorganic hybrid materials for their smart applications on green buildings	材料系郭東昊教授 Prof. Dong-Hau Kuo, 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
	智慧型綠建築空氣過濾材及系統之建立 Development of smart filters for green building-materials and system	化工系洪儒生教授 Prof. Lu-Sheng Hong, 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 Prof. Der-Jang LIAW, Department of Chemical 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 Prof. Ronnier Luo, Graduate Institute of Color and Illumination Technology
12:30-13:30	午餐	
13:30-14:20	建築智慧系統開發與應用 Development and Application of Building Intelligent System	
	建築的智慧綠網路 Smart Green Networks	電子系李三良教授 Prof. San-Liang Lee, Department of Electronic and Computer Engineering
	建構支援智慧建築之永續務聯網架構 Towards a Sustainable IoT Framework for Intelligent Building.	工管系周碩彥教授 Prof. Shuo-Yan Chou, Department of Industrial Management
	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
	短距高速無線光通訊與室內可見光通訊之研發 Investigation of Short-Haul, high-speed Optical Wireless and Visible Light Communications	電子系廖顯奎教授 Prof. Shien-Kuei Liaw, Department of Electronic and Computer Engineering
14:20-15:10	建築節能研究與應用 Research and Application of Energy Saving	
	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
	節能建築玻璃與照明 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
	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
	綠色能源直流微電網技術 Smart DC Micro-Grid System Based on Green Energies	電子系黃仲欽教授 Prof. Jonq-Chin Hwang, Department of Electronic and Computer Engineering
15:10-15:30	休息	
15:30-16:20	永續創新與創意 Sustainable Innovation and Creative Design	
	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 Prof. Cheng-Cheng Chen, Department of Construction Engineering
	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 Prof. Shun-Feng Su, Department of Electrical Engineering
	永續場所設計營造 Design and construction of sustainable environment	建築系王惠君教授 Prof. Huey-Jiun Wang, Department of Architecture
	感知互動實驗室 Design Perceptual Awareness Lab(D-PAL)	工商業設計系王韋堯教授 Prof. Regina Wang, Department of Industrial and Commercial Design
16:20-16:30	閉幕 Closing Remarks	