台灣省土木技師公會-曾煥郁

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主旨:

中華民國地震工程學會代轉發:基礎設施之永續發展與災害回復力:新興需求、工程對應工具與跨領域

評估密集課程資訊

附件:

短期課程海報v0925.pdf

各位會員您好,

10/26-

28由台灣科技大學營建系主辦「基礎設施之永續發展與災害回復力:新興需求、工程對應工具與跨領域評估密集課程」,課程資訊如附件,請踴躍報名參加。

報名網址:http://goo.gl/forms/SxoW3DEtIi

聯絡人:國立臺灣科技大學臺灣建築科技中心吳孟娟小姐 (02)2737-6295 /

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地震工程學會代轉發2015/10/7

台灣省土木技師公會 124,10,07 收文號: 4519

求、工程對應工具與跨領域評估密集課程

arse on "Sustainable and Resilience Infrastructure:

Needs, Engineering Tools and Interdisciplinary Considerations

r 26-28, 2015 // 13:30-17:30 Venue:IB302

nstructor oni, Ph.D.



Professor, Department of Civil and Environmental Engineering
Director, MAE Center: Creating a Multi-hazard Approach to Engineering
Co-director, Societal Risk Management (SRM) Program
Associate Director, NIST Community Resilience Center of Excellence
University of Illinois at Urbana-Champaign

是伊利諾大學香檳分校土木與環境工程系Paolo 是·Gardoni教授的研究主要集中在發展和運用機率 為災害對相互依存的結構和基礎設施系統的影響。 項目進行研究計畫·包括結構工程、大地工程、水 材料、公共政策和工程倫理。Gardoni教授擔任超 發領域經嚴格評審的期刊作者·並擔任美國中西國 之一。自從成為該中心主任之後·Gardoni教授積 審由跨領域研究·在跨區域及跨國界間進行不同災 危弱性的預估·來建立複合災害潛勢在工程上的應 性區抗災中心(Community Resilience Center of 該中心由美國國家標準與技術研究院(NIST)資助成 原期刊Sustainable and Resilient Infrastructure的 也擔任許多國家級與國際上專注風險與可靠度分析 Paolo Gardoni is a Professor in the Department of Civil and Environmental Engineerin Illinois at Urbana-Champaign. Professor Gardoni's research focuses on the developme bilistic methods to model the impact of natural and human-made hazards on interdepe infrastructural systems. He has been working on several multidisciplinary projects encareas including structural engineering, geotechnical engineering, hydrology, construaterials, public policy, and engineering ethics. Professor Gardoni is the author of ove journal publications related to risk and reliability. He is the director of the Mid-Americ Center, established in 1997 by the National Science Foundation as one of three engineering research centers. Since becoming director, Professor Gardoni has expand center, which now is to create a Multi-hazard Approach to Engineering by conduc research to characterize different hazards and estimate damage and vulnerability national networks. He is also the associate director of the Community Resilience (funded by the National Institute of Standards and Technology (NIST). Professor Gardo editor- in-chief of the international journal Sustainable and Resilient Infrastructure, a number of national and international committees and associations that focus on risk a

ourse Description

设施之永續性與災害回復力的基本概念,並基於現 別途。此外,課程中亦將討論其所使用之工程分析 獎率理論、統計、風險分析與生命週期分析等。最 於社會需求,進行跨領域整合之討論與建議,以達 發定之永續性與災害回復力。

The course introduces the concepts of sustainability and resilience as two of the most tics of infrastructure based on current societal needs. It discusses some of the engi development of sustainable and resilience infrastructure including concepts from prot tics, risk analysis, and life- cycle analysis. The course also includes a broader discussic considerations that should be accounted for to achieve sustainable and resilienc address current societal needs.

ourse Schedule

歲與可靠度之介紹/複合災害潛勢分析/元件、系統與網狀分析 oduction to risk and reliability / Multi-hazards analysis / Component, system and network analysis

害回復力與生命週期分析之定義/社會基礎設施之老化與劣化及復原時間/以水之網絡系統為例 inition of resilience and life-cycle analysis / Aging and deterioration of infrastructure and recovery time / Examples considering water network