The Architecture of Innovation
Governance, Design and Infrastructure
for Knowledge Cities

INTA PROFESSIONAL SKILLS TRAINING SEMINAR
Building competences for cities

Scope and themes
Concepts of innovation are rapidly evolving, and so are our understandings of the role of cities in fostering the social and economic success we associate with it. Innovation is no longer linked simply with invention, but with a rich capacity to flexibly adopt new technologies, to deepen the social learning process, and to broaden the participation in dynamic business ecologies. Successful systems of innovation are increasingly characterised by mobility, inclusivity, sustainability, and the robust adaptability of productive networks. As a consequence, planning for innovation has become less a matter simply of providing excellent technical spaces for talented people, but of harnessing the investment in the innovation economy to an integrated approach to forward-looking city building. This shift is calling for new planning instruments, new concepts for workspace, new synergies between living and working, and fresh approaches to the sustainable infrastructure of urban regions. In short, there is a newly emerging system architecture for cities in the innovation economy. In this seminar, we will discuss ways of bringing design, architecture, urbanism, and engineering together with urban governance in pursuit of integrated approaches to knowledge cities.

Outcome and purpose
This interdisciplinary programme will give participants an opportunity to see how integrated approaches to the urbanism of knowledge cities is being pursued internationally, and to discuss ways of incorporating emerging trends in local programmes of urban and regional development. While workspace has long been at the heart of planning for science and technology parks, in this seminar we will place workspace in intimate relation with the core themes of mobility, sustainability, and residential living that together support integrated approaches to new and sustainable urbanism. Participants will also gain a richer understanding of the role architecture and design can play in the development of successful urban strategies, and of distinctive ways to use architects in support of different phases of the urban development process.

Target group
The Seminar is designed for public officials at Taiwanese national and local government and urban development practitioners active in innovation and urbanism.
Programme

Wednesday 21 April
12:30-13:30 Registration
13:30-14:00 Opening and welcome remarks
Peter Wu
Jorge Fiori
Michel Sudarskis

14:00-17:00 Presentation Final Conclusions Design Workshop
NCTU Graduate Institute of Architecture
Housing and Urbanism Graduate School of the Architectural Association

17:00-19:00
Welcome party hosted by NCTU/Eco-City Smart Living Technology Centre

Thursday 22 April
9:00-10:00 Introduction to Architecture of Innovation
Chin-Teng Lin. NCTU Eco-City Centre and Taiwan's Knowledge Position
Charles Lin. NCTU and the New Campus Development: Knowledge-based Development in Taiwan
Lawrence Barth. Architecture and Urban Strategy: Themes from the AA-NCTU Design Workshop

10:00-12:00 New instruments for Delivering Knowledge Environments: Governance, Finance, Planning
Arthur Aw. After one-north: Architecture in the Innovation Economy
Duujian Tsai. Community Integration and Eco-neighbourhoods (to be confirmed)

Panel discussion Michel Sudarskis, Arthur Aw, Laurent Perrin, Duujian Tsai

13:00-15:00 Mobility, Infrastructure and Engineering for Sustainability
Chris McCarthy. Sustainability Frameworks for Urban Planning
C.H. Chang. Emerging Technology Research in Taiwan

Panel discussion Chris McCarthy, Lawrence Barth, Michel Sudarskis, C.H. Chang

15:15-17:15 Strategic Planning and Technology Clusters
Michel Sudarskis. Strategic Planning of Metropolitan Regions
Laurent Perrin. Science Cities and Eco-regions: Tools for Implementation

17:30-18:30
Visit Eco-City Centre for Smart Living Technology NCTU

Friday 23 April
10:00-12:00 Workspace in Strategic Urbanism
Lawrence Barth. Integrated Projects and the Urbanism of Innovation
Arthur Aw. The Workspace Neighbourhood and Strategic Urbanism

Panel discussion Laurent Perrin, Arthur Aw, Lawrence Barth, Dominic Papa
Working session

13:00-15:00 Urbanisation and New Residential Living for Knowledge Environments
Dominic Papa The Changing Architecture of Residential Living
Lawrence Barth. Housing, Urbanism, and the Knowledge Economy

Panel Discussion Arthur Aw, Lawrence Barth, Hugo Hinsley, Dominic Papa
Working Session

15:00-15:30 Coffee Break

15:30-17:00 Taiwan and International Practices: Progress and Learning
Charles Lin. Farglory, Kao Xiong, Yun Lin and Nangang: Taiwanese best practices
Panel discussion Hugo Hinsley, Dominic Papa, Lawrence Barth
Working session

17:00-18:00 Conclusions
Panel discussion
Charles Lin, Michel Sudarskis, Chris McCarthy, Arthur Aw, Laurent Perrin, Lawrence Barth, C.H. Chang, Dominic Papa
Registration

Participation is free but registration is necessary. Limited number of participants.

Please register by contacting:
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Organisers