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High Density and Living Comfort // CHINA – AUSTRIA 2013

An international symposium on contemporary requirements for dense housing areas.

HIGH DENSITY AND LIVING COMFORT // CHINA – AUSTRIA 2013

AN INTERNATIONAL SYMPOSIUM ON CONTEMPORARY REQUIREMENTS FOR DENSE HOUSING AREAS

THE THEME

The Conference will examine the quality of life in urban Asia in the context of its dense housing structures. Ideas for future developments are to be presented and discussed by leading international experts. This Asian phenomenon is to be examined on a differentiated basis by looking at each of the various development levels and dimensions. The Conference “High Density & Living Comfort” will approach the issue of dense urban and settlement structures in Asia at the macro, meso and micro levels.

The macro scale level is exemplified by urban density strategies. Those methods are to be examined among others of how a high residential quality of life and personal comfort can be maintained for a dense urban environment in public and semi-public spaces.

Against this background architects and planners will present innovative visions for the urban planning concepts of the future for bringing about a sustainable densification of metropolis areas.

Representatives of the leading urban developers in China will illustrate the urban and typological relevance of high-rise residential development through projects that have been implemented many hundreds of times. The results of research that point the way to the future together with relevant research approaches in this context will be presented as further focal issues for urban densification strategies.

In the second meso level high-rise residential typologies and the requirements for achieving a comfortable indoor climate in sub-tropical or tropical regions will be examined.

Perspectives will be explored and answers sought to the questions of how high quality housing and living comfort can be achieved for very dense urban developments in a hot and humid climate. Asian and European architects will present densely implemented buildings and the life styles they provide. They will examine the questions of how traditional building methods and structural concepts can provide the basis for developing new typologies that will meet the demands for comfort of today and tomorrow.

At the micro level buildings and facade systems will be subject to detailed examination in the light of these requirements. Air conditioning engineers will reveal the latest in energy efficient building systems and innovative facades that have been implemented in European and Asian projects. The spotlight will also be on the broader issues of making the most efficient use of these architectural concepts in the narrowest of living spaces.

The specialist exhibition "Structure & Facade" will also be presented at the Conference, bringing together the results of the research and the teachings initiated by the Institute for Architectural Technology under the direction of Ass. Prof. Arch DI Ferdinand Oswald. The work exhibited presents innovative facade systems

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and architectural concepts introducing solution approaches for the issues of sustainability, energy efficiency and comfort for interiors.

THE PROGRAMME

Doctoral and PhD students have been able to apply to participate in the conference with their dissertations. The Academic Organizational Committee of the Institute for Architectural Technology directed by Univ. Prof. Arch. DI Roger Riewe picked out the best of this work in an intensive selection process, arranging it in three principle subject fields and levels of the Conference. The participating students have been offered the opportunity to present their special research fields during the Conference in workshops (seminars) together with lecturers as a means of expanding and enhancing the content.

The results of these workshops (seminars) will be presented by the students in the closing sessions of the Conference and will be evaluated by the Conference key speakers and presenters and also by the Scientific Committee of the Institute for Architectural Technology. The participants in the academic workshops will receive a certificate from the TU Graz credited with 3 ECTS points.

Doctoral and PhD students from Australia, China, Germany, Indonesia, Iran, Italy, Japan, Nepal, Austria, Saudi Arabia, Spain and the USA have applied to participate in the conference.

The event keynote presentations will be followed on both evenings by public panel discussion bringing all the speakers of the day together and moderated by Prof. Marina Stankovic.

The presenters from universities and also from architectural practices and engineering consultants are from China, Germany, the UK, Canada, Switzerland, Singapore and South Korea. During the Conference the guests in Graz will be dedicated to the issue of “High Density & Living Comfort” from 21 to 23 March 2013.

The Conference has the aim of providing international architects, specialists, engineers and (PhD) students with a platform for the exchange of specialized knowledge through presentations, discussions and workshops.

We are expecting to see the development of considerable synergy potentials and the emergence of new architectural ideas and concepts from the close examination of the specialist topics here. Subsequently the cooperation between the separate research and teaching institutions will be fostered and strengthened by a meeting of all the participants in Graz.

For more information, please visit our conference website

www.cn-at2013.tugraz.at

