## PROF. MARKUS HEINSDORFF

主讲

課题

德稻环保建筑设计大师韩素飞教授

## 生态环保、高科技的现代竹建筑

MODERN BAMBOO ARCHITECTURE: SUSTAINABLE, ENVIRONMENTAL FRIENDLY AND HIGH-TECH

韩素飞教授(Markus Heinsdorff)作为一位专注于装置艺术、设计和建筑的艺术家,从事国际竹材料建筑领域工作已达 15 年以上。他在项目中致力于现代化的创新竹材建筑,是全世界将竹材层压板和天然甘蔗结合起来制成高科技建筑的少数艺术家之一,并开发了新型特殊竹材粘合技术。他在设计中经常参考亚洲文化,将文化元素融入其中。曾获得联合国教科文组织 Aschberg 奖金、德国歌德学院、德国外交部以及巴伐利亚政府对其国际项目的资助和支持。

韩素飞教授在多个国家和地区(爪哇岛、巴厘岛、泰国、越南、中国、印度)推出了装置作品、建筑和展览,曾在中国重庆(第八届国际园博会)、南京、广州、上海(2010年世博会)、西安(园博会)等多地举办研讨会,推出建筑作品及展览。2010年,他在上海世博会上为德国设计了一个大型竹亭——"德中同行之家"。同时,他连续多年为德国在中国(2007-2010年)和印度(2012-2013年)的文化宣传活动担任设计。他的作品被刊登于国际设计、艺术和建筑报刊中。

- 德稻环保建筑设计大师
- 2010 上海世博会大型竹亭 " 德中同行 之家"设计师



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## A Happy-Ending Workshop on Modern Bamboo Architecture: Sustainable, Environmental Friendly and High-tech

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Green architecture is a defining trend within the 21st century's architectural development. As a modern architectural designer, would you like to reenergize architecture? Are you expecting it to distinguish itself from the bland, common brick? From May 23 to 25, Professor Markus Heinsdorff, DeTao Master of Green Building Design, held a workshop on Modern Bamboo Architecture: Sustainable, Environmental Friendly and High-tech at DeTao Masters Academy. The workshop stirred students' imagination to the unique fascination of bamboo constructions and diverse green architectures.





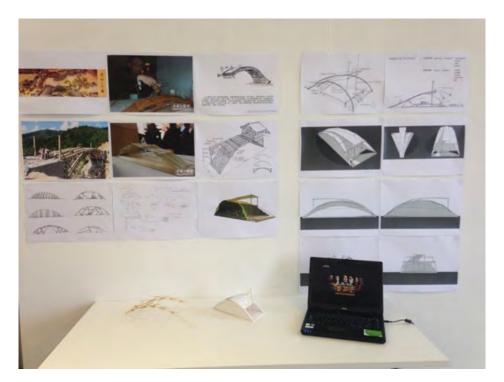
Interactive Teaching between Professor Markus Heinsdorff and His Students

The workshop lasted for three days and focused on modern, green, hi-tech bamboo architecture. Students came from universities across China, including architecture postgraduates from Shanghai University, Tongji University, Shanghai Normal University, East China University of Science and Technology, and Soochow University. Professional architectural designers with over 10 years of practice also joined the workshop to gain further insight on the developing trend.



Group discussion at the workshop

Under the context of globalization, Professor Heinsdorff, Professor Heinsdorff introduced a variety of techniques that integrated technology, sustainable development, environmental protection, and aesthetics. During the three days of the course, students completed their designs to the best of their abilities, while Professor Heinsdorff offered individual instructions and introduced the design of creative sketching. By making plans for materials and structures this was expected to facilitate future visualization work such as modelling, sketching, and computer-aided design.





Presentation of students' designs

All students' designs were made at the workshop and presented before the course came to an end. The first bamboo architectural design was 'Family House', the second was titled 'Lon Cost', and the third was named 'Tea House'. Bamboo was fully utilized at the workshop, making it a showcase of bamboo architecture art. The students incorporated the skills they had acquired with innovative design philosophies and made their own designs to the satisfaction of the Professor.



Students with Professor Markus Heinsdorff after the workshop

As the music began to play signaling the conclusion of the workshop, Professor Heinsdorff presented the students with their certificates.

Professor Heinsdorff is an internationally active installation artist. His focus is on sustainable design in architecture and art, space and nature. With various works across China, India, Thailand, Indonesia, Vietnam, Ecuador, Brazil, USA, South Africa and numerous European countries, he has realized projects, installations and exhibitions - also in relation to the UNESCO Aschberg program, the Goethe-Institut, the Bavarian Government, and the German Foreign Office. In this framework, he created the German-Chinese House at the Expo Shanghai 2010. His Expo house and the 22 further pavilions are one of the few modern and self-supporting constructions made of bamboo combined with natural cane, laminates and a special new joining, continuing the existing mobile spaces and pavilions.

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