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PRESS CLIPPING

DATE: Oct 20, 2015

Source: designwire.com.cn

City: Beijing

Client: NYIT

Topic: Interview with President Guiliano

Distribution: PR China

Circulation: N/A(website)

<http://www.designwire.com.cn/mix/10661>

纽约理工学院-北京大学联手举办的国际会议在京召开

设计： | 项目地点：北京 | 类别：腕儿线索 | 2015-10-20

2015年10月20日，北京：纽约理工学院（NYIT）与北京大学（PKU）在北京联合召开题为“可持续发展的特大城市：食品、能源和水资源关系”的具有时代意义的重要会议。NYIT-PKU 绿色合作伙伴关系是一个由高校和政府所维护的持续性紧密关系。



此次会议是纽约理工学院自2010年以来在中国合作举办的第五次国际会议。出席者包括中美学者，教育工作者，工商业界代表，政府机构代表，城市规划者，政策决策者和纽约理工大学学生等人员。他们将聆听到世界级演说家和研究者的精彩演讲，分享他们对于各自领域的独到见解与视野。



纽约理工学院被公认为是可替代能源科技与可持续性建筑实践的早期创新者。教职员工几十年来一直在设计、获取相关专利以及展示相关课题成果等方面领先，它的建筑设计学院以及理工与计算科学学院尤为出色。时至今日，各种专利奖项及可持续设计作品无不体现着NYIT在应用研究方面所做出的努力。几十年来，范例比比皆是。



作为一个21世纪全球性教育的领导者，十多年来，纽约理工学院成功将不同利益相关者聚集一堂，共同探讨如何应对全球当下面临的挑战。在围绕可持续发展的问题上，通过合作举办很多会议，包括一年一度的纽约能源会议，以及一系列在中国举办的高级别会议，像2010年在南京召开的题为“绿色畅想：教育，能源和环境可持续性论坛”，以及2014年举办的“水与能源的关联性：可持续与全球挑战”，（也是与北大合作举办的）。纽约理工学院在创造和传播知识领域的最前沿已保持领先十年。与中国的合作关系亦可追溯到几十年前。



此次论坛将深刻关注那些对特大城市产生重要影响的议题，包括：

- 全球食品，能源，水资源的机遇和挑战
- 可持续集群城市和建筑环境
- 气候变化对食品能源以及水资源的影响
- 智能城市的安全基础设施
- 相关的突破和研究前沿

校长爱德华·朱利安诺在他的讲话中会谈及人口超过一千万的特大城市所面临的挑战；以及通过建设性对话，找到令居民生活质量提高的解决方案。当然，大学将在其中发挥关键作用。“大学所做的研究和开发将有助于解决问题。纽约理工学院会保持在最前沿，包括调查研究热点城市，供水，太阳能发电等课题。我们会需要这些方案去解决特大城市中的一些问题。”



此外，爱德华·朱利安诺校长将着重讲到城市作为世界财富工厂所创造的那些机遇，城市GDP的80%来自于它表面的3%。城市已经缩短了距离，刺激了信息流，降低了成本。纽约，作为世界第一个特大城市和纽约理工学院美国本土两大校区所在地，现在面临诸多挑战。但是，纽约也创造出了领先的解决方案，这些方案同样适用于世界其他特大城市。校长爱德华朱利安诺在他的讲话中还提到：“纽约理工学院深切意识到城市飞速发展所带来的挑战，这一领域应对我们一些最聪明的学生产生吸引力。”

当今城市所面临的挑战，既严重且相互关联。“我们需要全面的，跨领域和跨文化的思想创意。大城市也需依靠新兴技术，例如数据分析”，朱利安诺校长说。他补充道，“城市的成功源于他们拉近了距离和信息流。大学在这方面做得更好，把明智，见多识广的人聚集到一起解决重大问题。此次会议上，我们将创建并分享知识与理念，以使特大城市更具可持续发展性。我们利用城市最大的优点来解决它们最棘手的一些难题。”

在上午的论坛启动仪式之后，爱德华·朱利安诺校长接受了Designwire的采访。

Designwire提到“建造可持续性特大型城市，除了粮食、能源和水，人们的居住环境也被广泛关注，而且今年论坛中也首次加入了对于“建成环境”的提法，那么我们应该如何开展这方面的工作。爱德华·朱利安诺校长讲到，在纽约理工学院中，有专门的建筑和设计学院，而且纽约理工学院在工程与计算机科学方面也有很好的研究。他认为，我们应该通过有效的沟通，通过计算机科学建立3D的城市模型，由建筑师根据3D模型来实现现实的城市建设，我们应该充分考虑到如何可以安全有效的用水，准时有有效的提供粮食以及安全

Synopsis:

Sustainable Megacities: Food, Energy, Water, and the Built Environment

BEIJING, October 20, 2015 – New York Institute of Technology (NYIT) co-hosted with Peking University (PKU) an important and timely international conference today in China entitled *Sustainable Megacities: Food, Energy, Water, and the Built Environment*, under the U.S.-China, NYIT-PKU EcoPartnership, a distinguished ongoing relationship maintained by the universities and their governments.

Attending this fifth NYIT co-hosted international conference in China since 2010, an audience of U.S. and Chinese scholars, educators, industry practitioners, government agency representatives, urban planners, policymakers, and NYIT students listened to a world-class group of Chinese and international speakers and researchers, recognized as authoritative figures in their respective fields.

NYIT is recognized as an early innovator with regards to alternative energy technologies, sustainable building practices and other sustainable expertise. Faculty have been designing, patenting, and presenting on these topics for decades and, to this day, patents, awards and sustainable designs continue to distinguish NYIT's applied-research efforts.

As a leader in 21st-century global education, NYIT has a record of successfully gathering stakeholders from various disciplines to address current global challenges for more than a decade. It has been in the forefront of both the creation and dissemination of knowledge internationally through its many co-sponsored conferences, including its annual energy conference in New York, now in its second decade, as well as a series of high-profile events in China including the world-class “Think Green: Education, Energy and Environmental Sustainability” in Nanjing in 2010, and the acclaimed 2014 “Water Energy Nexus: Sustainability and Global Challenges” also co-organized with Peking University.

Critical topics affecting megacities all over the world took center stage during this conference including:

- Global Food, Energy, Water (FEW) Challenges and Opportunities in Megacities
- Sustainable Cluster Cities and the Built Environment
- The Impact of Climate Change on FEW Resources
- Secure Infrastructure in Smart Cities
- FEW Nexus Breakthroughs and Research Frontiers

In his opening remarks, NYIT President Edward Guiliano addressed the many challenges facing megacities, and the crucial role Universities will play in the decades ahead. “Universities do significant research and development that help solve key problems. NYIT is at the forefront here, researching hot cities, water supply, solar power, and far more. We will absolutely need these solutions for megacities.”

Additionally, President Guiliano highlighted the opportunities that cities create as the wealth factories of the world, noting that they generate 80 percent of its GDP from 3 percent of its surface. Cities have shortened distance, spurred information flow, and cut costs. New York, the world's first megacity and home to two NYIT campuses, has faced many challenges. But it has created pioneering solutions that other cities can use all over the globe. President Guiliano stated in his remarks, "NYIT is deeply linked to the challenges of urban hyper-growth. It is a field that should attract some of our brightest students today."

During an interview after the opening session, President Guiliano said that experts have realized that the Built Environment is more and more important and it is the reason why Megacities are such an important topic. NYIT can address it internationally through its distinguished School of Architecture and Design, and School of Engineering and Computing Sciences proposing new concepts in building design and urban planning, and keeping in mind that the challenges cities face today are serious and interlinked. "We need holistic, interdisciplinary, and cross-cultural ideas. Megacities will also rely on emerging technologies, such as data analytics." He added, "Cities succeed because they increase proximity and information flow, and universities are even better at that, bringing smart, well-informed people together to address major problems. At this conference we create and share knowledge and ideas, to help make megacities more sustainable. We are using the greatest virtues of cities to solve some of their most daunting problems."