

# 专业外语

## Professional English in Architecture

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# 《专业外语》教学大纲

1. 课程概论(3月2日)
2. 建筑学专业词汇 (3月9日)
3. 视听训练 (3月16日)
4. 视听训练(3月23日)
5. 专业文献精读 (3月30日)
6. 专业文献精读(4月6日)
7. 专业文献精读(4月13日)
8. 科技论文写作技巧(4月20日)
9. 科技论文写作技巧(4月27日)
10. 口语表达技巧(5月4日)
11. 互动作业汇报(5月11日)
12. 课程总结(5月18日)



# 视听训练

## 第三讲



# 国际学术会议视听训练

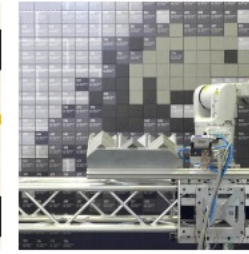
- The 4th International Conference on Computational Design and Robotic Fabrication (CDRF 2022)
- June 25-26, 2022
- Hosted by College of Architecture and Urban Planning (CAUP), Tongji University
- 2022 Conference Theme : Hybrid Intelligence

## WORKSHOPS 2022



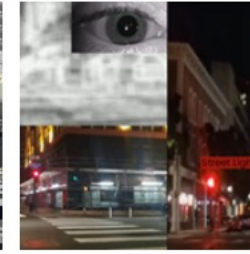
-Farsi

Flatland



-English

Robotics > Metaverse > AI



-English

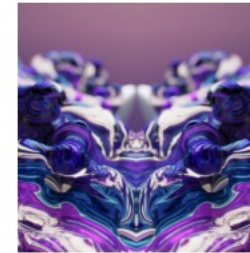
[Audit Live Stream](#)

Understanding Neuro-Environments



-English

Three-Dimensionalizing Text Based GANs



-English

[Audit Live Stream](#)

Liquid Architectures in Metaverse



-Spanish/English

MULTIOBJECTIVE EVOLUTIONARY DESIGN...



-English

[Audit Live Stream](#)

Generative Metaverse: Machine Learning Applications in Architecture



-English

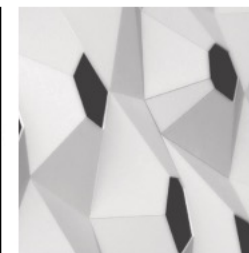
[Audit Live Stream](#)

New Veils: Couture and Architecture



-English

Parametric Modelling in Architecture



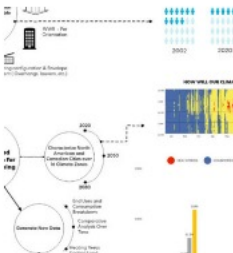
-Arabic/English

OPTIMIZATION PROCESSES IN ARCHITECTURE: THE...



-Arabic

مبادئ البرمجة من منظور معماري



-English

Optimizing Into The Probable Future:...



# 国际学术会议视听训练

- The past 30 years has witnessed the myriad ways in which digital technology not only improves the dynamicity of communication between human and machine, but also provides entirely new directions for innovation and creation. In the digitally structured process of architectural design and construction, machines are not limited to visualizations and realizations of the conceived form by architects, but involved directly in the creation process. The essence of creativity is no longer limited to the mere informational landscape of the human mind. With shared tools, libraries and procedures, it now includes an array of intelligent machines capable of extending human intentions outward, away from the individual, forming a hybrid intelligence. Architecture will become a collective endeavor, in which not only is architectural knowledge collectively produced, but also design intent can be formed by decentralized networks of creativities. The digital will be not so much about expanding methods of generating and fabricating architectural objects as it is concerned with cultivating a new context of understanding the central nature of design, creativity and even architecture itself.
- 过去 30 年见证了数字技术以多种方式不仅提高了人机通信的动态性，而且还为创新和创造提供了全新的方向。在建筑设计和施工的数字化结构化过程中，机器不仅限于建筑师构想形式的可视化和实现，而是直接参与创建过程。创造力的本质不再局限于人类思维的单纯信息景观。通过共享工具、库和程序，它现在包括一系列智能机器，能够将人类意图向外扩展，远离个人，形成混合智能。建筑将成为一种集体努力，其中不仅建筑知识集体产生，而且设计意图可以通过分散的创造力网络形成。数字化与其说是扩展生成和制造建筑对象的方法，不如说是培养一种理解设计、创造力甚至建筑本身的核心本质的新语境。

DigitalFUTURES2022/CDRF2022

## The 4th International Conference on Computational Design and Robotic Fabrication

### Hybrid Intelligence

Conference Time:  
25/06/2022 8:30pm EDT(-1 day) / 2:30 am CET / 8:30am China

8:30-8:45	<b>Opening Speech: Song Liu</b>	 Zoom Link Passcode: 346052
8:45-9:30	<b>Keynote 1: Borong Lin</b>	
14:00-14:45	<b>Keynote 2: Neil Leach</b>	
<b>Parallel Session A:</b>		
09:45-11:15	Session 1A Chair: Nic Bao <b>Computation and Formation 1</b>	 Zoom Link Passcode: 346052
11:30-13:00	Session 2A Chair: Dan Luo <b>Computation and Formation 2</b>	
15:00-16:45	Session 3A Chair: Felix Raspall <b>Material and Fabrication 1</b>	
17:00-18:45	Session 4A Chair: CM Herr <b>Material and Fabrication 2</b>	
<b>Parallel Session B:</b>		
09:45-11:15	Session 1B Chair: Chao Yan <b>Artificial Intelligence 1</b>	 Zoom Link Passcode: 033980
11:30-13:00	Session 2B Chair: Lo Tianian <b>Artificial Intelligence 2</b>	
15:00-16:45	Session 3B Chair: Ralph Spencer Steenblik <b>Artificial Intelligence 3</b>	
17:00-18:45	Session 4B Chair: Xiang Wang <b>Simulation and Optimization</b>	



# 国际学术会议视听训练

## 【DigitalFUTURES2022 开幕主题讲座】马岩松：Insert New Space-time



(32:30-)