Iaac

GLOBAL SUMMER SCHOOL

GLOBAL AGENDA, LOCAL SOLUTIONS

4 - 17 JULY

Hyper Cities

To Apply: applications.gss@iaac.net
http://globalschool.iaac.net/

Iaac | Institute for advanced architecture of Catalonia | BARCELONA

THE IAAC GLOBAL SUMMER SCHOOL

/// What is the IaaC GSS

The Global Summer School (GSS) is a platform defined by ambitious, multi-scalar investigation on the implications of emergent techniques in our planned environments. Each year, international teams located in key cities around the globe explore a common agenda with projects that are deeply embedded in diverse local conditions. Because of this, participants have an international laboratory to test their design hypothesis, understanding how design conclusions derived locally can be tested and evolved globally in different cities where other teams reside. This intensive two week course connects each participant to ongoing research agendas in robotics, simulation, physical computing, parametric design, digital fabrication, and other relevant emerging design methodologies. Specific emphasis is placed on understanding the multiscalar implications of design conclusions, thus creating critical research advanced on the application of new technologies in design.

/// Website links

Global Summer School blog: http://globalschool.iaac.net/
Iaac Educational Programs GSS: http://iaac.net/educational-programs/global-summer-school/

HYPER CITIES - GSS 07/2016

/// General Brief

The way we describe and understand cities today is radically changing, and alongside this change there is also a radical transformation in the tools we use to design them. Cities call for a different approach towards the development of new multi-scalar strategies in urban design and planning solutions.

Cities can be described as systems of networked ecologies: a series of co-dependent aggregations revolving around environmental mitigation, land-use organization, communication and service delivery. These generate a complexity that can be organized through technology, laws, political pressures, disciplinary desires, environmental constraints and social interaction. In fact networked ecologies embody the dominant form of organization today: the network, be it telematic, physical or even social.

GSS16 will focus on the potentials of this network to work not only at an urban scale, but also across diverse cities, interconnecting and expanding them. These will ultimately create a dynamic and interactive system of "HYPER- CITIES": A variety of city-sensors (digital or analogue) processing and transferring information in explicit manifestations, interrelating with the collective environment.

The GSS16 will be directed by IaaC in collaboration with multiple Nodes participating in the course from and in different parts of the globe. All the Nodes engaged in the GSS16 will be challenged to define a 1:1 urban machining intervention transferring and digitally interrelating multiple sets of data collected from hyper-connected cities. The goal is to work as a globally distributed campus to generate a hyper-network of interventions that communicate to each other both locally and globally.

/// Structure

IAAC Global Summer School is a full-time two-week course that provides both practical and theoretical knowledge. Its structure consists in three main learning modules, led by expert tutors. In addition, lectures by renowned professionals and academics relevant to the topics to be treated during the course. These will be broadcasted in the different node-cities, all globally connected. The lecture program will be announced prior to GSS commencement. The following three course modules aim towards a common objective: the fabrication of a 1:1 urban machining intervention, transferring and digitally interrelating multiple sets of data collected from hyper-connected cities.

- Concept (Urban Strategies and Technology)
- Coding (Generative Design and Data)
- Prototyping (Fabrication and Robotics)

/// GSS Nodes

The course will take place from the 4th until the 17th of July in 2016 both in Barcelona and in different node-cities around the world including:

- New York City
- Moscow
- Beirut
- Beijing
- Monterrey
- Mumbai
- Tehran

REQUIREMENTS

/// Eligibility

IAAC GSS is open to creative and innovative people who are interested in fields such as architecture, urban planning, digital fabrication, design, etc., searching for a multidisciplinary experience in an international environment. No previous skills are required, although CAD design, programming and digital fabrication skills are welcome. The official language of the course is English.

/// Credits

After the course, the participants will have gained theoretical and applicative knowledge about current urban innovative strategies. Moreover, they will become familiar with parametric software, data visualization and the use of digital machines. In the end of the course all participants will receive a Global Summer School Diploma.

/// Visa

Each participant is responsible to investigate what documents are required via the embassies in their country of origin. The school will provide a confirmation letter regarding the participation in the course, and will assist where possible in the visa process.

/// Fee

The fee is different for every city-node and includes all material costs needed for the course. No additional registration fee is required. Flight tickets, accommodation and food are not included in the fee. Each participant should bring his/her own computer with the software installed. Further details about the software will be given to the participants upon acceptance.

/// Applications

In order to register to the Global Summer School, participants need to submit the online application form, where they will be asked to upload a letter of intent and a CV. Portfolio is not required. The applications are open until the 30th of May 2016.

Application form link: https://apply.iaac.net/applications/view.php?id=38987

/// Contact

For specific queries, please direct them to applications.gss@iaac.net.

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