



# **LIVING DESIGN TRAINERS WORKSHOP (3-4-5 April 2019)**

***Day 1 - 3rd of April 2019***

***Knowledge sharing on Intelligent Design and Educational courses***

## **Understanding Intelligent Design (IAAC - Room 103)**

H9:30 - Meeting at IAAC - welcome coffee

H10:00-10:45 - Lesson 1: **Introduction to Intelligent design - Areti Markopoulou (IAAC)**

- How can we define intelligent design
- Intelligent design in the Building Industry
- Intelligent design and research on materials

H11:00-11:45 - Lesson 2: **Methodologies and Tools - Alex Dubor (IAAC)**

- Parametric Design
- ICT (Sensors/Boards/Controllers/Platforms)
- Digital Manufacturing (Milling/3D Printing)

H12:00-12:45 - Lesson 3: **Intelligent Design Products / 10 Case Studies - Federica Ciccone (IAAC) / Nanda Heshof (Plant-e)**

H12:45-13:30 - Lesson 4: **Intelligent Design Companies / Plant-e products Case Study - Nanda Heshof (Plant-e)**

## **Intelligent Design Education (IAAC - Room 103)**

H15:00-15:45 - Lesson 5 - part 1: **IAAC Educational Programmes - Mathilde Marengo (IAAC)**

H16:00-16:45 - Lesson 5 - part 2: **IAAC Courses Structure - Mathilde Marengo (IAAC)**

H17:00-17:45 - Lesson 6: **Case Study: Biophotovoltaic elements development course - Chiara Farinea (IAAC)**

- Experts Involved
- Course Structure
- From the idea to the prototype
- Examples of projects developed by students

H 20:00 - **Social dinner - Kitchens of Saint Catherine** - Mercado de Santa Caterina, Avinguda de Francesc Cambó, 16, 08003 Barcelona, Spagna - <https://goo.gl/maps/Rr8U3yzhd5u>



**Day 2 - 4th of April 2019**  
**Case studies in Barcelona**

**Applications of Intelligent Design**

*H8:45 - Meeting at IAAC front door*

H9:00-10:30

Case Study 1: **Visit Mediatec**

- Responsive Building

*H11:00-11:30 - Bus transfer IAAC > Sagrada Familia*

H11:30-13:30

Case Study 3: **Sagrada Familia**

- Application of digital manufacturing to the building industry

*H13:30-14:00 - Bus transfer Sagrada Familia > Valldaura Restaurant*

H14:00-15:00 - Lunch Valldaura Restaurant

**Facility for education on sustainability: IAAC Valldaura Campus**

*H15:00-15:30 - Bus transfer Valldaura Restaurant > Valldaura Campus*

H15:30-17:00

Case Study 4: **Valldaura Campus**

- Education facility for the development of self-sufficient/nature-based projects

*H17:30- 18:00 - Bus transfer Valldaura Campus > IAAC*



**Day 3 - 5th of April 2019**  
**Workshops**

**Innovative educational programs development (IAAC - Room 103)**

H9:00 - Meeting at IAAC - welcome coffee

H09:00-11:00

Workshop 1: **Yearly transdisciplinary programmes development - LIVING DESIGN Semester**

- Presentation of the Accelerator Programme
- Development of methodologies for collaboration / Inputs from Partners

H11:30-13:30

Workshop 2: **Intensive transdisciplinary programmes development - LIVING DESIGN Intensive Course**

- Development of methodologies for collaboration / Inputs from Partners