

## Structures in Building Culture: STEEL SKELETON

Erasmus Intensive Program 2013

Spain, 14. to 28. of August 2013

Universitat Polytècnica de Catalunya, School of Architecture of El Vallès, Barcelona (Organiser)

University of Liechtenstein, Institute of Architecture and Planning, Vaduz (Coordinator)

Sint-Lucas School of Architecture, Brussels/Gent

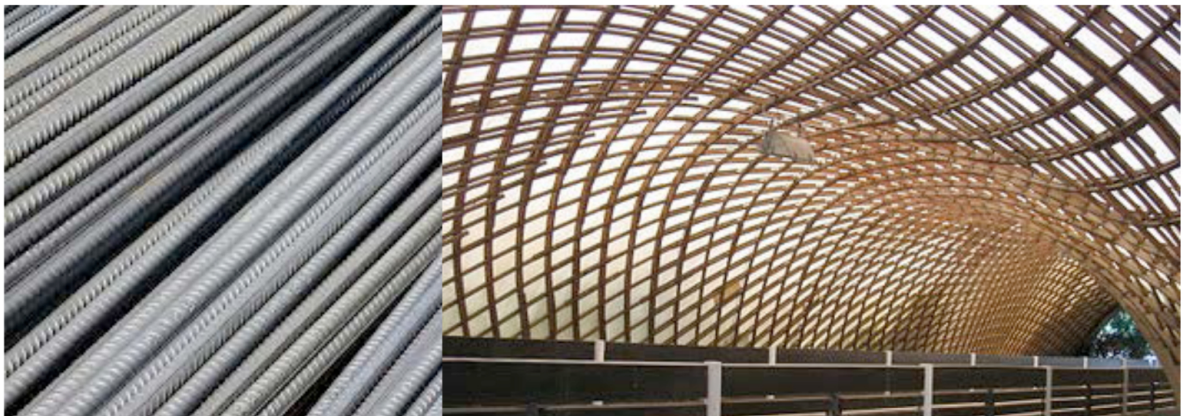
Royal Academy Copenhagen, School of Architecture, Denmark

Academie van Bouwkunst, Amsterdam

Norwegian University of Science and Technology, Faculty of Architecture and Fine Art, Trondheim

Gdansk University of Technology, Faculty of Architecture

Glasgow School of Architecture



### MATERIAL AND METHOD

Within the “Structures in Building Culture”-series, the use of steel rods follows wood – processed as plywood and chipboard – and wicker as light-weight materials that the last two workshops were devoted to. Steel rods are usually associated to reinforcements of concrete buildings, as an invisible partner of the heavy concrete mass and responsible for taking tension in the hybrid structure. If used in a naked way, weaving techniques, associated rather with textile methods or wicker structures, will open a new field for experimenting and offer the potential to erect complex and resistant shapes. Though flexible, steel rods are bendable but tend to stay in a certain position. This essential difference distinguishes the material from plywood or wicker that are elastic by the flexibility of the fibre.

Our workshop explores the potential of steel rod structures in making large-scale prototypes that stand in relation to a historical site as oppositional artefacts. We will work with the raw industrial material in a stunning surrounding of the hilly topography and the rural architecture of the Catalan pre-alps. At the end of the workshop all participants will spend a summer night in one of the manufactured refuges.

**Per més informació dirigiu-vos al dept. de Construcció, 3<sup>a</sup> planta.**

**Data límit de preinscripció 21 Juny.**

Participants: **8** students and 1 teacher from each University

Fee: Euro **100.**

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## WORKSHOP SITE



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## PROGRAM

Wednesday 14.08.2013		- Arrival in Barcelona and check in (Hotels see below) - Teachers Dinner, Barcelona - Students meet in a bar (will follow)	until 18:00 20:00 20:00
Thursday 15.08.2013	<b>Day 1</b>	- Gaudi visits using metro: - Casa Mila (la Pedrera) - Palau Güell - Sagrada Familia - Dinner in a popular restaurant in BCN close to the beach - Stay Hotel in Barcelona	09:00    21:00
Friday 16.08.2013	<b>Day 2</b>	- Trip to the house - Different visits on the way: - Colonia Güell, Gaudi - Town visit: La plaça de Vic  - Check in accommodation - Presentation of the workshop - Dinner	09:00     16:00 18:00 20:00
Saturday 17.08.2013	<b>Day 3</b>	- Model making 1: 2, using thin steel bars 2mm diameter - Short lunch - Model making 1: 2 - Review - Lecture - Polish dinner	09:00 - 13.00 13.00 - 14.00 14:00 - 16.00 16:00 18:00 20:00
Sunday 18.08.2013	<b>Day 4</b>	- Model making 1: 2, Joints construction 1:1 - Short lunch - Review - Model making 1: 2, Joints construction 1:1 - Scottish dinner	09:00 - 13.00 13.00 - 14.00 14:00 - 15:00 15:00 - 19.00 20:00
Monday 19.08.2013	<b>Day 5</b>	- Model making 1: 2, Joints construction 1:1 - Short lunch - Review - Model making 1: 2, Joints construction 1:1 - Belgium dinner	09:00 - 13.00 13.00 - 14.00 14:00 - 15:00 15:00 - 19.00 20:00
Tuesday 20.08.2013	<b>Day 6</b>	- Construction 1:1 - Short lunch - Construction 1:1 - Liechtenstein dinner	09:00 - 13.00 13.00 - 14.00 14:00 - 19.00 20.00
Wednesday 21.08.2013	<b>Day 7</b>	- Construction 1:1 - Short lunch - Construction 1:1 - Norwegian dinner	09:00 - 13.00 13.00 - 14.00 14:00 - 19.00 20.00
Thursday 22.08.2013	<b>Day 8</b>	- Excursion Day: - Olot - RCR - Fageda - Besalú - Castell follit de la roca - Spanish dinner	09:00 – 19.00      20.00

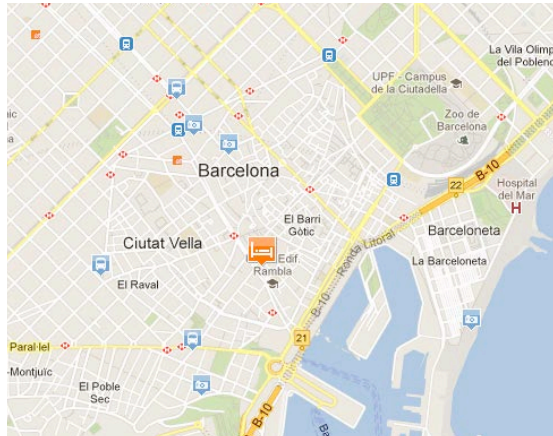


Friday 23.08.2013	<b>Day 9</b>	- Construction 1:1 - Short lunch - Construction 1:1 - Dutch dinner	09:00 - 13.00 13.00 - 14.00 14:00 - 19.00 20.00
Saturday 24.08.2013	<b>Day 10</b>	- Construction 1:1 - Short lunch - Construction 1:1 - Danish dinner	09:00 - 13.00 13.00 - 14.00 14:00 - 19.00 20.00
Sunday 25.08.2012	<b>Day 11</b>	- Finishing constructions 1:1 - Cleaning site, preparing pictures - Short lunch - Photographer pictures - Final barbecue - Sleeping in the refuges	09:00 - 13.00 13.00 - 14.00 14:00 - 19:00 20.00
Monday 26.08.2012	<b>Day 12</b>	- Check out and departure to Barcelona - Arrive Barcelona - Departure	08:00 10:00 from 12:00

#### First nights in Barcelona: Students hostel

##### KABUL HOTEL

Plaça Reial 17, Ciutat vella 08002 Barcelona



#### First nights in Barcelona: Hotel for the teachers

##### HOTEL PENINSULAR

Carrer de Sant Pau, 34, 08001 Barcelona  
nº2433 reservation



#### Things to bring

- Sleeping bag
- Minimum 2 pairs heavy work gloves
- Sufficiently heavy footwear
- Rain gear
- Driving License
- Sun cream
- Bathing Suit and Towel
- Laptop and Camera