

Conference Program

June 6-9, 2016



Centro Carlos Santamaría

Biblioteca Campus de Gipuzkoa UPV/EHU
Plaza Elhuyar, 2 - 20018 Donostia-San Sebastián



Sunday, 5 June

20:45 Welcoming dinner for speakers and scientific committee
Restaurante ARTIKUTZA. Ohienart, 3. (250 metres from Centro Carlos Santamaría)

Monday, 6 June

Morning session

Opening

09:30-10:30 Registration

10:30-10:45 Introductions

Session I: Concepts for Mathematics and Architecture. Chair, Kim Williams

10:50-11:30 Ju Hyun Lee, Michael Ostwald, Ning Gu, "A Combined Syntactical and Grammatical Method for Wright's Prairie Houses"

11:35-12:15 Michele Emmer, "Topological Fluid Architecture"

12:20-13:00 Francisco Ugarte Guerra, Haydée Azabache Caracciolo, "Designing a Subway Line Using Voronoi Diagrams"

13:00-13:30 Discussion

13:30–15:30 Lunch

Afternoon session

Session II: Structures. Chair, Santiago Huerta

15:30-16:10 Javier Barrallo, Francisco González-Quintial, Antonio Sánchez-Parandiet, "Laminar Constructions and Reciprocal Frame Structures"

16:15-16:55 Marco Vitali, "3D Parametric Digital Models of the "Planterian" Vaults in Turin"

17:00-17:40 Elena Pliego de Andrés, "The Geometry of late Gothic German Vaults and the Germ of the Prinzipalbogen Concept"

17:45-18:15 Coffee

18:15-18:55 Maciej Piekarski, "Reciprocal Structures for Twisted Buildings"

19:00-19:40 Ana López Mozo, Rosa Senent-Domínguez, "Late Gothic Asymmetrical Diamond Vaults in Spain"

19:40-20:00 Discussion

Tuesday, 7 June

Morning session

Session III: Geometry. Chair, Maria Zack

09:30-10:10 Sibel Yasemin Özgan, Mine Özkar, "A Thirteenth-Century Dodecahedron in Central Anatolia"

10:15-10:55 Rima Ajlouni, "Fractals and Self-Similarity in Ancient Islamic Architecture"

11:00-11:30 Coffee

11:30-12:10 Roberta Spallone, "Comparison of Guarini's 'Regular Fortress' and Paciotto's Citadel of Turin"

12:15-12:55 Jong-Jin Park, "The Pointed Oval in Frank Lloyd Wright's House Designs"

13:00-13:30 Discussion

13:30-15:30 Lunch

Afternoon session

Session IV, Part I: Methods for Design and Representation. Chair, Michael Ostwald

15:30-16:10 Cristiana Griz, "Shape Grammars for the Analysis of Customized Apartments"

16:15-16:55 Nevena Radojevic, "Pantheon and Pantheon-like Generative Tool"

17:00-17:40 Alexandra Paio, Valerio Cutini, Camilla Pezzica, João Ventura Lopes, Marco Giorgio Bevilacqua, "Multidimensional Analysis of Urban Squares Morphologies"

17:45-18:15 Coffee

18:15-18:55 Dirk Huylebrouck, Ljiljana Radovic, "Rodler's Spiral Staircase"

19:00-19:40 Sylvie Duvernoy, Giampiero Mele, "Ghirlandaio's Early Trompe-l'Œil Effects"

19:40-20:00 Discussion

Wednesday, 8 June

Morning session

Session V: Analysis of Built Works. Chair, Marco Giorgio Bevilacqua

10:15-10:55 José Calvo López, Macarena Salcedo Galera, "Rodrigo Gil's Churches and the Palace of Charles V in Granada"

11:00-11:40 María Carmen Gómez Collado, Rafael Rivera Herráez, Macarena Trujillo Guillén, "Mathematics and Anna Bofill's Architectural Work"

11:45-12:25 João Pedro Xavier, "The Church of Clérigos in Porto as a musical instrument"

12:30-13:00 Discussion

13:00-14:30 Lunch

Afternoon session

Session VI: Mathematics and Architecture in the Ancient World. Chair, Sylvie Duvernoy

14:30-15:10 Baya Bennoui, Ladraa, Youcef Chennaoui, "The Dimensional Properties of the Nameless Temple of Tipasa"

15:15-15:55 Luca Cipriani, Filippo Fantini, Silvia Bertacchi, "Mixtilinear Plan Design and Complex Roofing in the Small Baths at Hadrian's Villa"

16:00-16:30 Coffee

16:30-17:10 Claudio Mazzanti, "Biblical architectural proportions in Italy and Spain from the Middle Ages to the Renaissance"

17:15-17:55 Licinia Aliberti, Miguel Ángel Alonso-Rodríguez, "Shape and Layout of the Coffers of the Pantheon's Dome"

18:00-18:30 Closing remarks

20:00 Conference dinner at Sidrería Aburuza (Aduna). Depart from Conference Venue.

Thursday, 9 June

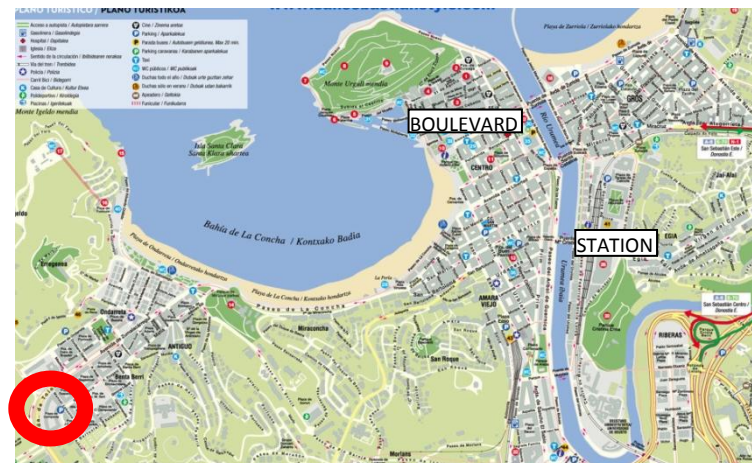
Excursion to Bilbao Guggenheim Museum (102 Km -70 minutes).

10:00 Depart from Conference venue.

19:00 Depart from Guggenheim Museum. (Back in Donostia-San Sebastián at 20:15).



All lectures during days 6-8 June will be held in the Auditorio Antonio Beristain, inside Centro Carlos Santamaría.



BUSES TO CENTRO CARLOS SANTAMARÍA (Company dBus)

From the Old Part/City Center: Go to Boulevard bus canopy, close to the City Hall. Take bus 5 (5th Stop R.M. Azkue) or 25 (6th stop Unibertsitatea).

From the Intercity Train and Bus Station. Exit station and look for the bus stop canopy. Take bus 45 (7th Stop Unibertsitatea). Note: Driver might skip stops with no demand.