

# BIODIG 2026

6<sup>th</sup> International Conference for  
Biodigital Architecture & Genetics

Barcelona, 3-5 June 2026

Learning from Gaudí in 21st Century  
Exhibition and Round Table

Info: [www.biodigitalarchitecture.com](http://www.biodigitalarchitecture.com)

Registration: [biodigital@uic.es](mailto:biodigital@uic.es)

Conference Fee: 30 €

Barcelona 2026 Gaudí 100 years  
World Capital of Architecture

**- BIODIG 2026 -**  
**6<sup>th</sup> INTERNATIONAL CONFERENCE FOR BIODIGITAL ARCHITECTURE & GENETICS**  
**iBAG-UIC Barcelona, 3<sup>rd</sup>-5<sup>th</sup> June 2026**

**2026 GAUDÍ 100 YEARS - Barcelona World Capital of Architecture**

**Wednesday, 3<sup>rd</sup> June 2026, 16:00-19:00**

Room "Saló de Graus", UIC Barcelona (free entry)  
Immaculada 22, 08017-Barcelona

**16:00**

REGISTRATION & GIFTS

**17:00**

WELCOME, KEYNOTE, ROUND TABLE

Alberto T. Estévez, BIODIG 2026 Chair

**Welcome - Learning from Gaudí in 21<sup>st</sup> Century**

Jordi Faulí, architect director of Sagrada Família\*\*

Galdric Santana, director of Càtedra Gaudí (UPC)

Pablo Lorenzo-Eiroa, director of the AI Lab (NYIT)

**19:00**

GAUDÍ EXHIBITION VISIT

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**Thursday, 4<sup>th</sup> June 2026, 09:00-17:00**

Room "Saló de Graus", UIC Barcelona (free entry)  
Immaculada 22, 08017-Barcelona

**09:00**

KEYNOTE LECTURE

*Simulating Gaudi: From Survey to Big Data to an AI Architecture*

Pablo Lorenzo-Eiroa

**10:00**

KEYNOTE LECTURE

*Emergent Capabilities & (A)Intelligence*

Neal Leach

**11:00**

COFFEE BREAK\*

**11:30**

PAPER SESSION

11:30

*BioLumCity Project: Towards a Bioluminescent Future*

Yomna K. Abdallah, Alberto T. Estévez

11:50

*Orchestrated Territorial Morphogenesis:*

*Specificity Through Exposure and Generative Territorial Production*

*With Nucleation Node Networks, In-Situ Forces and Materials*

Maj Plemenitas

12:10

*Naturartificial Micro-Architectures: Hybrid Translations from*

*Micro Structures to New Ecological Intelligences*

Alberto Fernández González, Camilo Guerrero del Río, Jessica In

12:30

*Lines of Existence, Lines of Becoming*

Justyna Morawska

12:50

*Marine Shell Waste as Digital Material:*

*Material Development for 3D Extrusion in Architecture*

Jungwon Yoon

13:10

*Venturi Wall: A Design-to-Fabrication Workflow for the Instrumentation of*

*Laminar Airflow and Thermal Mass in Double-Layered Brick Walls*

Pablo Cabrera Jauregui, Viviana Hernaiz Diez de Medina

**13:30**

LUNCH\*

**14:30**

PAPER SESSION

14:30

*Living Architecture (LIVARC):*

*Biodigital Strategies for Regenerative Buildings*

Mauro Costa Couceiro, Mário Ribeiro Manaia, Simão Lopes

14:50

*Self-Replication and Variation: Revisiting Bio-Digital Design Theory of Evan Douglis*

Melih Kamaoğlu

15:10

*Performance-Driven Design & Functional Integration in Additive Manufacturing:  
A Volumetric Modelling Workflow for Biodiversity Driven Large-Scale 3D-Printed Bio-Receptive Urban Screens*

Mirek Claßen

15:30

*Encoding Spatial Affect: a Vr-Sensor-Based Approach to  
Experiencing Architectural Atmospheres*

Şeyma Elif Cesur, Levent Arıdağ

15:50

*Deployable Structures: Integrating Principles of Biological Analogy and Kinetic Origami Structures to Enhance Performance*

Eman Karem, Mohamed H. Khalil, Mostafa A. Boghdady

16:10

*Proto-Biodigital Intelligence in Vernacular Architecture: Cappadocia Settlement*

Eda Nur Kış, Faruk Can Ünal

**16:30**

COFFEE BREAK\*

**17:00**

PAPER SESSION

17:00

*Nature's Patterns in Architecture: A Taxonomy of  
Algorithmically Defined Compositional Elements*

Varvara Sofra, Ioanna Symeonidou

17:20

*From Observation to Computation: A Framework for  
Bio-Inspired Spatial System Design*

Anastasija Vidovic

17:50

*The Chronotope as an Ecological Navigator: From Literary Traces to Digital Topographies*

Gizem Aslan, Levent Arıdağ

**18:10**

COFFEE BREAK\*

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**Friday, 5 June 2023, 10:00-17:00**

Room "Saló de Graus", UIC Barcelona (free entry)

Immaculada 22, 08017-Barcelona

**10:00**

KEYNOTE LECTURE

*Munari, Voronoi & The AI:*

*A Critical-Creative Journey in Transition Toward Co-creation*

Daniela Frogheri

**11:00**

COFFEE BREAK\*

**11:30**

PAPER SESSION

11:30

*Integrated Methodology for BioDigital Design*

David A. Torreblanca-Díaz

11:50

*Historiography of Organic and Biodigital Architecture from the 20<sup>th</sup> Century to the Present*

Daniele Nunes Caetano de Sá

12:10

*Digital Worm Architecture: the interior symbiont and  
the metabolic mutation of the built city*

Marcelo Fraile Narváez

**13:00**

LUNCH\*

**Saturday, 6 June 2026, 10:00**

GAUDÍ'S SAGRADA FAMILIA BARCELONA VISIT

Limited to the first registrations of those interested in the visit

(Guided only exterior visit: for organizational reasons of the Sagrada Familia itself and its limited capacity, because the big visitors accumulation, if you later wish to also visit the interior of the building and its museum, you must reserve it separately, as soon as possible, directly and personally on the Sagrada Familia website: [www.sagradafamilia.org](http://www.sagradafamilia.org)).

**A Manifesto for Architecture  
in the emerging millennium of the 21<sup>st</sup> century**

\*Meals and coffees not included (the University Cafeteria will be open)

\*\*invited and pending confirmation

# Learning from Gaudí in 21th Century Exhibition and Round Table

iBAG-UIC Barcelona, 3-5 June 2026, 17:00



Street Immaculada, 22, Barcelona, free entry

**ESARQ-UIC Barcelona**  
School of Architecture

**UIC**  
barcelona