

# ISAMA VALENCIA

16-20 June 2008

## PROGRAM



UNIVERSIDAD  
POLITECNICA  
DE VALENCIA



- 6B** Colegio Mayor Galileo Galilei (Residence and Restaurants)
- 8G** Ciudad Politécnica de la Innovación (Lectures: Monday, Wednesday)  
CPI: In Building 8G search for the Yellow Cube and go to 3<sup>rd</sup> Floor, Access A.
- 3L** Facultad de Bellas Artes (Workshops: Friday)

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## **MONDAY, June 16. Universidad Politécnica Valencia (Salón de Actos CPI – 8G)**

09:30 - 09:45 **Opening Session**

JOAN PEIRÓ, ALFRED PERÍS, JAVIER BARRALLO

09:45 - 10:45 **The Time of Geometry**

BORJA FERRATER, CARLOS FERRATER

10:45 - 11:30 **Design and Construction of a Big Cubic Surface**

SERGIO HERNÁNDEZ, CARMEN PEREA, IRENE POLO, CAYETANO RAMÍREZ

11:30 - 12:00 Coffee Break

12:00 - 12:45 **Distance Metrics and Diffusion Limited Aggregation**

GARY GREENFIELD

12:45 - 13:30 **Symmetry and Beauty of Knots**

SLAVIK JABLAN, RADMILA SAZDANOVIC

13:30 - 15:30 Lunch

15:30 - 16:15 **Waves of Concrete**

JAVIER BARRALLO, ÁNGEL FERNÁNDEZ, LUIS MARTÍN

16:15 - 16:45 **Fractal Geometry in Architecture. Beyond Euclidian Geometry**

ANTÓNIO PEDRO A. N. LIMA

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## TUESDAY, June 17. The City of Arts and Sciences (Auditorio Santiago Grisólia)

- 09:30 - 10:30 **The Geometry in Santiago Calatrava's Creative Process**  
OLGA GIL
- 10:30 - 11:15 **The Knotted Stained Glass Windows**  
CLAUDE BRUTER
- 11:15 - 11:45 Coffee Break
- 11:45 - 12:30 **Topological Knots and Links as Point Surface Structures of 2D Manifolds**  
DMITRI KOZLOV
- 12:30 - 13:00 **A Virtual Mathematics Museum "MuMart"**  
VICENTE GALIANO, M. VICTORIA HERRANZ, JOAQUÍN SÁNCHEZ,  
CARMEN PEREA, IRENE POLO
- 13:00 - 13:30 **Templates and Randomness in the Construction of Paintings**  
STEPHEN LUECKING
- 13:30 - 15:30 Lunch
- 15:30 - 16:30 **Santiago Calatrava: From València to Malmö**  
ARTURO MARTÍNEZ
- 17:00 - 18:00 **Guided Visit at Palau de les Arts Reina Sofia (Santiago Calatrava)**



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## WEDNESDAY, June 18 Universidad Politécnica Valencia (Salón de Actos PDI – 8G)

09:30 - 10:30 **Chasing Gaudi's Hyperboloids**

MARK BURRY

10:30 - 11:15 **The Human Body in Art and Science**

LESLIE HAYES

11:15 - 11:45 Coffee Break

11:45 - 12:30 **Simulation of People Evacuation Processes through Particle Swarm Optimization**

IDEL MONTALVO, JOAQUÍN IZQUIERDO, RAFAEL PÉREZ, VICENTE FUERTES

12:30 - 13:00 **Visual Mathematics for Designers**

LJILJANA RADOVIC, SLAVIK JABLAN

13:00 - 13:30 **Open Roundtable on Integrating Art and Mathematics in K-12 Education: Talking Points**

MARGARET LANTERMAN

13:30 - 15:30 Lunch

15:30 - 16:15 **The Cordovan Proportion: Geometry, Art and Paper Folding**

ANTONIA REDONDO, ENCARNACIÓN REYES

16:15 - 17:00 **Man the Square: Kasimir Malevich and Hyperspace**

STEPHEN LUECKING

19:00 **Flamenco Show. Paraninfo UPV (Rectorado - 3A, 1<sup>st</sup> Floor)**

NIÑO DE AURORA, NIÑO DE ELCHE, MANUEL FERNÁNDEZ



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## THURSDAY, June 19 Excursion to The City of Arts and Sciences

10:00

### **Meeting at the City of Arts and Sciences**

INCLUDING TICKETS FOR:

- L'HEMISFÈRIC
- SCIENCE MUSEUM PRINCIPE FELIPE
- L'OCEANOGRÀFIC



## FRIDAY, June 20. Universidad Politécnica Valencia (Facultad de Bellas Artes- 3L)

09:30 - 13:30 **Workshops**

- **Geos, Hypersculptures and Hyperseeing**  
MARGARET LANTERMAN
- **Carlo Sequin's Sculpture Generator 1**  
RICARDO ZALAYA, JAVIER BARRALLO
- **Designing with Slavik Jablan's Op-Tiles**  
SLAVIK JABLAN, LJILJANA RADOVIC, JAVIER BARRALLO
- **Knots and Soap Film Minimal Surfaces**  
JAVIER BARRALLO, SLAVIK JABLAN

13:30

**Farewell Cocktail**