

31<sup>st</sup> ANNUAL CONFERENCE OF THE ACADEMIA EUROPAEA  
AND 8<sup>th</sup> ANNUAL CONFERENCE OF THE YOUNG ACADEMY OF EUROPE

**Building Bridges 2019**



**Academia Europaea**  
**Barcelona Knowledge Hub**  
23-25 October 2019

BARCELONA, 23–25 OCTOBER 2019

# Scientific Programme



## Building Bridges 2019



Academia Europaea  
Barcelona Knowledge Hub

23-25 October 2019

Our Building Bridges logo represents a nexus that supports and connects different European cities. The bridge has the shape of a capital letter “M”. This letter is the typeset block or “typographic square” that determines the features of the rest of the letters of the same typographical family. Any new typeset begins with the design of the “M”. This letter has its origin in an Egyptian hieroglyphic symbol: a wavy line representing the sea. The Phoenicians adopted this symbol and attributed

the meaning ‘mem’ or ‘water’ to it, but they placed it upright. The vertical and horizontal variants coexisted in Greek, Etruscan and, for some time, also in Latin. In Augustus’ time (63 BC–14 AD), this letter was flat and firmly grounded on three legs, similar to the way it appears and is used nowadays. Like our conference, the logo conveys bridges built among different countries, cultures, and all fields of human science and knowledge.

### LOCAL ORGANISING COMMITTEE

#### Directors:

Ricard Guerrero MAE, Academic director of AE-Barcelona Knowledge Hub  
Kimberly Katte, Hub Manager and Programme Coordinator of Building Bridges 2019  
Alexander Fidora MAE, Academic Coordinator of Building Bridges 2019  
Rubén Duro, AE-BKH Webmaster and Social Media Manager

#### Support Team:

Kathrin Golda-Pongratz MAE, Coordinator of Speakers  
Carmen Chica, Coordinator of Activities  
Mercè Piqueras, Documentation and Dissemination  
Mercè Berlanga, Programmer and Graphic Designer  
Maite Sánchez, On-site Logistics and External Activities

# Building Bridges 2019



Academia Europaea  
Barcelona Knowledge Hub

23-25 October 2019

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Institute for Catalan Studies (IEC)



CSIC- Residència d'Investigadors, near the IEC



Norai Raval restaurant



Ateneu Barcelonès



Barcelona Biomedical Research Park (PRBB)

## Venues

### **\*CSIC Residència d'Investigadors (YAE)**

<https://www.residencia-investigadors.es/>

C/Hospital 64, 08001 Barcelona

Map: <https://goo.gl/maps/T1i8dJHrBDNGUCS16>

### **\*Institute for Catalan Studies (IEC) (AE Class sessions, Day 1 morning)**

<https://www.iec.cat>

c/ Carme 47, 08001 Barcelona

Map: <https://goo.gl/maps/hRPFq9vJE1uwkuCJ7>

### **\*Ateneu Barcelonès (Day 1 afternoon)**

<https://www.ateneubcn.org/>

c/ Canuda 6, 08002 Barcelona

Map: <https://goo.gl/maps/1P3Fo47LDRs14SAj7>

### **\*Hotel SEHRS Rivoli Rambla (Reception, Day 1 afternoon)**

<https://www.hotelserhsrivolirambla.com/>

La Rambla, 128, 08002 Barcelona

Map: <https://g.page/HotelSERHSRivoliRambla?share>

### **\*Norai Raval restaurant (President's Dinner, Day 1 evening)**

[https://www.facebook.com/Norai-Raval-182527615104549/timeline/#\\_=\\_](https://www.facebook.com/Norai-Raval-182527615104549/timeline/#_=_)

Avinguda de les Drassanes, 1, 08001 Barcelona

Map: <https://goo.gl/maps/vKcF4NqG14u3Jbq97>

### **\*Barcelona Biomedical Research Park (PRBB) (Day 2, morning and afternoon)**

<http://www.prbb.org/>

c/Doctor Aiguader, 88, 08003 Barcelona

Map: <https://goo.gl/maps/Umj87dtkhUKwfnq76>

### **Event website:**

<http://www.buildingbridges-acadeuro.org/>



October 22 (Tuesday)

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## **Pre-conference meetings**

### **• MEETING OF THE BOARD OF TRUSTEES OF THE ACADEMIA EUROPAEA**

15:00-onwards. **Closed meeting of the Academia Europaea (AE) Board of Trustees**

(Restaurant L'Antic Forn, c/Pintor Fortuny, 28. Followed by dinner)

### **• YOUNG ACADEMY OF EUROPE**

11:30-onwards.

Sala d'Actes, CSIC Residència d'Investigadors, c/Hospital, 64.

See ANNEX

Programme available at: <http://yacadeuro.org/register-for-our-agm-2019/>

## October 23 (Wednesday)

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### Pre-conference meetings

- **PARALLEL ACADEMIA EUROPAEA CLASS SESSIONS**

9:00-12:00 **Registration for Building Bridges 2019** opens. Institute for Catalan Studies (IEC), c/Carme, 47.

Delegates may also collect their badges and materials at the Ateneu Barcelonès, starting at 14:30, if they are unable to stop by the registration desk in the morning at the IEC.

- **YOUNG ACADEMY OF EUROPE**

9:15-onwards. **Young Academy of Europe**  
(Sala d'Actes, CSIC Residència d'Investigadors)

Programme available at:

<http://yacadeuro.org/register-for-our-agm-2019/>

See Annex

## Pre-conference meetings (Day 1 morning: at the IEC)



Institut  
d'Estudis  
Catalans

9:30h-13:30 **Parallel Academia Europaea Class sessions, to involve new members** (IEC).

Coordinated by Alexander Fidora MAE, ICREA - Autonomous University of Barcelona

**Class A1**, chaired by Poul Holm MAE, Trinity College Dublin  
(Coromines Room, IEC)

**Class A2**, chaired by Björn Wittrock MAE, Swedish Collegium for Advanced Study (Pi i Sunyer Room, IEC)

**Class B**, chaired by Donald Dingwell MAE, University of Munich (Prat de la Riba Hall, IEC)

**Class C**, chaired by Alexej Verkhatsky MAE, University of Manchester (Nicolau d'Olwer Room, IEC)

After a welcome by the Class chairs and introductory remarks by the respective Section chairs, new members will have the opportunity to briefly introduce themselves and their work.

11:00-11:30 **Coffee break**

11:30-13:00 **Joint Round Table session, combining Classes A1 and A2**  
(Coromines Room).

Classes B and C continue their sessions in the same rooms as before, until 13:30.

**Dame Marilyn Strathern** MAE, University of Cambridge  
"Counting People"

Chaired by **Poul Holm** MAE and **Björn Wittrock** MAE

Response by **Kirsten Drotner** MAE, University of Southern Denmark

13:30-14:30 **Lunch break**

Delegates are on their own for lunch on this day, as it is NOT included in the conference fees.

## **Building Bridges 2019 (Day 1 afternoon: at the Ateneu Barcelonès)**

13:30-14:30 **Registration for Building Bridges 2019** re-opens (Ateneu Barcelonès, c/ Canuda 6), for those delegates who were unable to collect their badges and materials in the morning at the IEC.

15:30-18:30 **Building Bridges 2019** (Oriol Bohigas conference room, Ateneu Barcelonès)

15:30 **Welcome to new Academia Europaea members elected in 2018 and in 2019**

16:30 **Erasmus Medal and 2019 Heinz-Nixdorf Foundation Erasmus Lecture 1**

**Aleida Assmann** MAE, University of Konstanz

“Re-imagining the Nation: Memory, Identity and the Emotions”

Laudator: **Vladimir Biti** MAE, University of Vienna

17:30 **Erasmus Medal and 2019 Heinz-Nixdorf Foundation Erasmus Lecture 2**

**Sonia Livingstone** MAE, London School of Economics

“Realising Children’s Rights in Relation to the Digital Environment”

Laudator: **Kirsten Drotner** MAE, University of Southern Denmark

18:30-19:30 **Reception** (next door at Hotel SERHS Rivoli Rambla, La Rambla, 128)

Drinks will be served, weather permitting, on the terrace of the hotel, accessible through the patio of the Ateneu Barcelonès; signage and staff will direct delegates to the reception.

## **Building Bridges 2019 (Day 1 evening: at Norai Raval restaurant)**

20:30 **President’s Dinner**

(Norai Raval restaurant, near the royal shipyards at Avda. Drassanes, 1)

Only those guests who have previously registered for the dinner and have received confirmation of payment of its separate, corresponding fee will be granted admission.

# October 24 (Thursday)

## Building Bridges 2019 (Day 2 morning and afternoon: at PRBB)



Barcelona  
Biomedical  
Research  
Park

8:30-11:00 **Registration for Building Bridges 2019** re-opens (Barcelona Biomedical Research Park (PRBB), c/Doctor Aiguader, 88)

For those delegates who were unable to collect their badges and materials the previous day.

9:25-17:00 **Building Bridges 2019** (PRBB Auditorium)

### 9:25 **Opening welcome**

**Sierd Cloetingh** MAE, President of Academia Europaea

**Ricard Guerrero** MAE, Academic Director of the Barcelona Knowledge Hub

**Mangala Srinivas**, FYAE, Chair of the Young Academy of Europe

### 9:30 **Balzan Lecture 1**

**Detlef Lohse**, University of Twente, 2018 prize winner

“Bubble Puzzles”

Chair: **Eva Kondorosi** MAE, Hungarian Academy of Sciences

### 10:30 **Balzan Lecture 2**

**Dame Marilyn Strathern** MAE, University of Cambridge, 2018 prize winner

“New and Old Worlds: a Perspective from Social Anthropology”

Chair: **Eva Kondorosi** MAE, Hungarian Academy of Sciences

10:30-11:00 **Coffee break**

**11:00 COST Lecture 1**

**Anca Nemuc**, National Institute for Research and Development for Optoelectronics

“inDust: International Network to Encourage the Use of Monitoring and Forecasting Dust Products”

Chair: **Sierd Cloetingh** MAE, President of Academia Europaea

**11:30 COST Lecture 2**

**Ralph Koebnik**, Institut de Recherche pour le Développement – Cirad – University of Montpellier

“Integrating Science on Xanthomonadaceae for Integrated Plant Disease Management in Europe”

Chair: **Sierd Cloetingh** MAE, President of Academia Europaea

**12:00 Adam Kondorosi Academia Europaea Prize for Advanced Research 2019 Lecture**

**Ray Dixon**, John Innes Centre

“Engineering Biological Nitrogen Fixation for Agricultural Benefit”

Laudator: **Jens Stougaard** MAE, Aarhus University

**12:45-14:00 Lunch**

**14:00 Academia Europaea Distinguished Lecture**

**Konstantin Novoselov** MAE, University of Manchester (Nobel Laureate Physics 2010)

“Physics and Applications of Graphene and 2D Materials”

Chair: **Alexej Verkhatsky** MAE, University of Manchester

**14:30 Discussion panel organised by the YAE**

“The Future for Young Scholars”

**Rolf Tarrach**, President, European University Association

**Johannes Klumbers**, Head of Scientific Advice Mechanism Unit, European Commission

**Graham Caie**, Vice-President, European Federation of Academies of Sciences and Humanities (ALLEA)

**Mangala Srinivas**, FYAE, Chair, Young Academy of Europe

**Toma Susi**, Vice-Chair, Young Academy of Europe

Chair: **Gemma Modinos** FYAE, King’s College London

15:30 **Break**

15:45 **2019 Young Academy of Europe Andre Mischke Prize**

**Janusz Bujnicki**, International Institute of Molecular and Cell Biology in Warsaw

“Science and Policy in a Complex World”

Laudator: **Marcel Swart** MAE, ICREA - University of Girona

16:15 **Building Bridges 2019 Distinguished Lecture**

**Luc Steels** MAE, ICREA - Pompeu Fabra University

“Why Superintelligent AI Will Never Exist”

Chair: **Andreu Mas-Colell** MAE, Pompeu Fabra University

16:45-17:30 **Close and departing drinks**

## October 25 (Friday)

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### **Post-conference Field Trip to Montblanc and Poblet**

Requires a separate registration fee, which includes transportation, cultural visits and lunch. Participants should wear comfortable walking shoes and rain gear as needed. The outing features the walled ducal city of Montblanc, an important trading centre in medieval times, and the 12th-century Cistercian monastery of Poblet.

**8:15 Departure** of coach buses from Plaça Universitat, Barcelona

**10:30 Tour of Montblanc on foot**

Visit to Gothic architectural gems including Saint Francis' convent, Saint Michael's church, the city's main street, Jewish quarter, main square, Cal Malet medieval quarters for measuring grain, Saint Mary's main church, Saint George's portal, walled enclave and medieval bridge

**12:30 Departure for restaurant**

**13:00 Traditional Catalan lunch**

**15:00 Guided tour of the monastery of Poblet**

**17:00 Departure** of coach buses for Barcelona

**19:00** Approximate **arrival** time at Plaça Universitat, Barcelona



## **ANNEX**

### **Programme for the 8<sup>th</sup> Annual Conference of the YAE (AGM) (Tuesday 22<sup>nd</sup> October, at the CSIC Residència d'Investigadors)**

#### **October 22 (Tuesday)**

13:30 **Welcome**

13:45 **Update on activities**

14:00 **Workshop: Optimising Science Communication, led by Prof. David Budtz Pedersen**

16:00 **Break**

16:30 **Science Pico Presentations (everyone)**

18:00 **Academics Anonymous session (with drinks)**

20:00 **Dinner**

#### **October 23 (Wednesday)**

9:15 **Welcome**

9:30 **Report on activities**

10:00 **Speed-dating**

10:30 **Coffee**

11:00 **Elections (Board positions open)**

12:00 **Research talks (Slots available)**

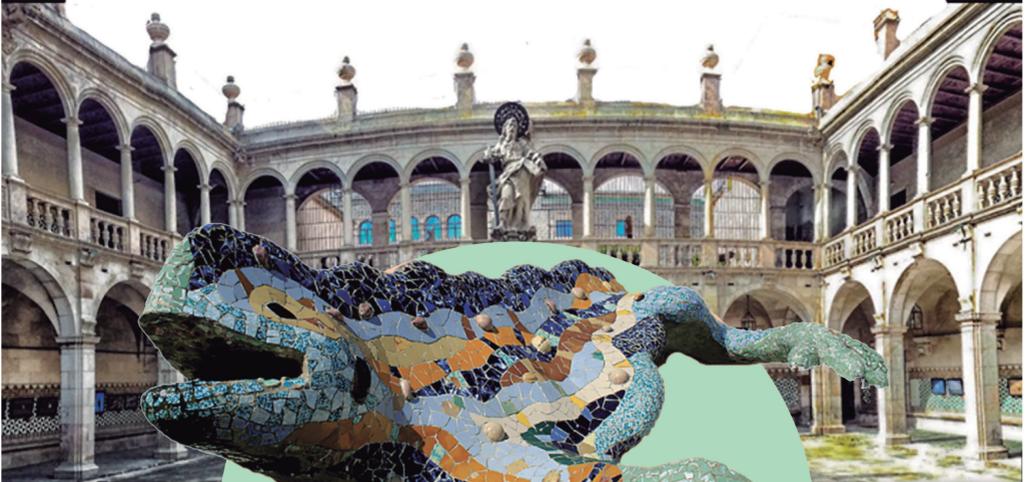
13:30 **Lunch**



# Academia Europaea

## The Academy of Europe

# Barcelona Knowledge Hub



*Gaudí's dragon at the entrance of Park Güell, Barcelona, with its brightly coloured tiles, represents Python, the Delphian guardian of underground waters, the source of knowledge: Python, the son of Gaia/Earth, gave oracles, an early symbol of the dissemination of knowledge and science.*



<http://barcelona.acadeuro.org/>

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YouTube

