31st ANNUAL CONFERENCE OF THE ACADEMIA EUROPAEA
AND 8th 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
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
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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/#_=_
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/
INSTITUTE FOR CATALAN STUDIES (IEC)
C/Carme, 47, 08001 Barcelona

The IEC, CSIC Residència d’Investigadors, Ateneu Barcelonès and Norai Raval restaurant are conveniently located within walking distance of one another, in downtown Barcelona. These are accessible by Metro (subway) on the green line (L3) and also near Plaça Catalunya, where the airport shuttle bus stop is located.

The PRBB, for its part, is about a 5-minute walk from the Ciutadella-Vila Olímpica station on the Metro’s yellow line (L4), and it is also served by several city bus lines, namely the 59 and H16 lines from Plaça Catalunya. A taxi to the PRBB from the city centre is about a 10-minute ride and costs approximately 10€.
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
October 23 (Wednesday)

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
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 Verkhratsky 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)

14:30-18:30 **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)

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

10:00  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 Verkhratsky** MAE, University of Manchester

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

“The Future for Young Scholars”

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

**Johannes Klumpers**, 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)

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 8th Annual Conference of the YAE (AGM) (Tuesday 22nd 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

http://barcelona.acadeuro.org/

Gaudi's dragon at the entrance of Park Guell, 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.

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