

From EULER Project

## **Events: EULER Summer School, July 1-5, 2013**

**Summer School 2013: Graph and routing dynamics: models and algorithms**

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### **Photos**

**EULER Summer School 2013 at UPC, Barcelona, Spain, July 1-5 2013**



**EULERSS'13 @ UPC Barcelona, July 1-5 2013**



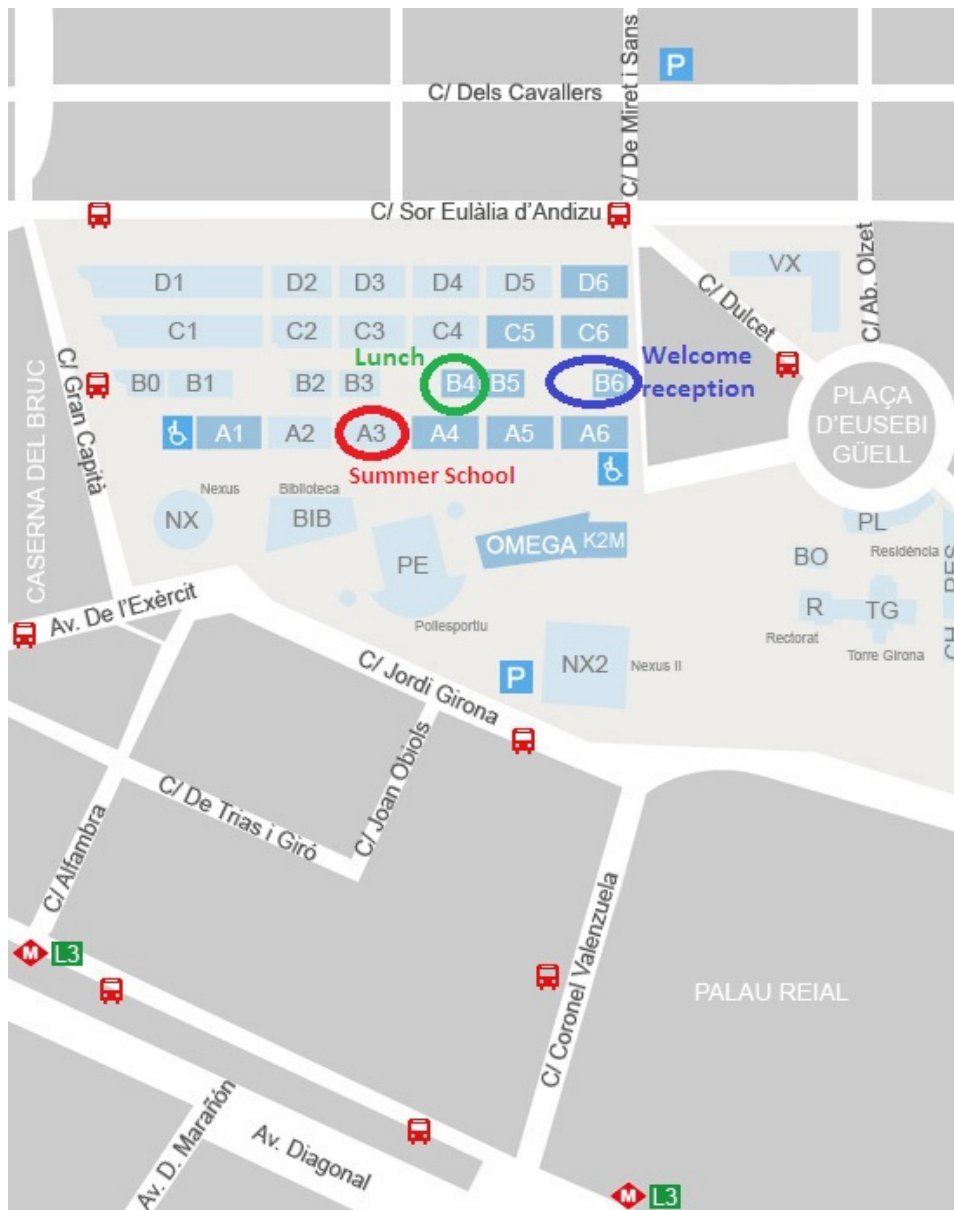
**EULERSS'13 @ UPC Barcelona, July 1-5 2013**



**EULERSS'13 @ UPC Barcelona, July 1-5 2013**

## Location

**Universitat Politècnica de Catalunya (UPC)**  
**Aula Magna, A3 building**  
**c/ Jordi Girona 1-3, Campus Nord**  
**08034 Barcelona**  
**Spain**



## Summer School 2013 Program

The program is the following:

**First day (July 1): Internet routing system**

Location

- 08:00-09:30 **Welcome to the EULER Summer School**  
Attendees can pick up the registration materials
- 09:30-13:00 **Internet routing system and its protocols**  
Olivier Bonaventure - Université Catholique de Louvain, Belgium
- 13:00-14:00 Lunch
- 14:00-17:30 **Advances in routing models and algorithms**  
Dimitri Papadimitriou - Alcatel-Lucent Bell Labs, Belgium
- 17:30-18:30 **Students works presentation**
  1. Routing and signalling strategies in support of GMPLS control plane for flex-grid elastic optical networks (EO-Net), *Ioan Turus*
  2. Multilayer dimensioning of flexible optical networks, *Djamel Amar*
- 18:30-20:00 **Welcome reception** at the Computer Science Faculty Plaza

### **Second day (July 2): Algorithmic graph theory and Graph dynamics modelling 1**

- 09:30-13:00 **Foundations of algorithmic graph theory**  
Charles Golumbic - Haifa University, Israel
- 13:00-14:00 Lunch
- 14:00-17:30 **Advances in algorithmic graph theory**  
Yannis Manoussakis - Laboratoire de Recherche en Informatique (LRI), France

### **Third day (July 3): Algorithmic graph theory and Graph dynamics modelling 2**

- 08:30-12:00 **Hyperbolicity and Gromov hyperbolic graphs**  
José M. Rodríguez García - Universidad Carlos III de Madrid, Spain
- 12:00-13:00 Lunch
- 13:00-16:30 **Advances in algorithmic graph theory**  
Georges B. Mertzios - Durham University, United Kingdom
- 16:30-18:30 **Students works presentation**
  3. Research activities on communications networks, *Jose-Luis Izquierdo-Zaragoza*
  4. Defining a network management architecture, *Yury Jiménez*
  5. A simulation framework for biological nanocommunication networks, *Luca Felicetti*
  6. Network-based target ranking for polypharmacological therapies, *Francesca Vitali*
  7. Analyzing and modeling the dynamics of Internet topology, *Oana Balalau*
  8. Protocols for harvested wireless sensor networks, *Gabriele Romaniello*
- 21:00 **Social event**  
Dinner at city seafront promenade: Mango Playa

### **Fourth day (July 4): Routing models and algorithmic 1**

- 09:30-13:00 **Evolving and Small worlds/Scale-free networks**  
Francesc Comellas - Universitat Politècnica de Catalunya (UPC), Spain
- 13:00-14:00 Lunch
- 14:00-17:30 **Geometric routing schemes**  
Marian Boguñá - University of Barcelona, Spain

### **Fifth day (July 5): Routing models and algorithmic 2**

- 08:30-12:00 **Information routing schemes**  
Georges Polyzos - Department of Informatics, Athens University of Economics and Business, Greece
- 12:00-13:00 Lunch

- 13:00-15:30 **Operational research aspects in routing**  
Paola Festa - University of Naples, Italy
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## Organizers

- Dimitri Papadimitriou
  - Davide Careglio
  - Josep Solé Pareta
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## Important Dates

Summer School Week: **July 1-5, 2013**

Deadline for applications: **June 10, 2013 at 23:59pm CET**

Summer School **Registration** at <http://summerschool2013.ccaba.upc.edu/>

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