



# NILS Meeting 2010

Scientific collaboration opportunities between  
Spain, Norway, Iceland and Liechtenstein  
January 21, 22 - Madrid, Spain

[www.nilsmobilityproject.es](http://www.nilsmobilityproject.es)

## January 21, Thursday

- 09.30 - 10.00 Welcome  
10:00 – 10:30 Opening words:  
Carlos ANDRADAS, Vicepresident for Academic Policy, UCM.  
Kirsti BAGGETHUN, Royal Norwegian Embassy in Madrid.  
Javier MONTERO, Dean, School of Mathematical Sciences, UCM.  
10:30 - 11:00 **IMI (Interdisciplinary Mathematics Institute) scientific programmes for the period 2010-2011.**  
M.A. HERRERO, Universidad Complutense de Madrid.  
11:00 - 11:30 **Overview of CMA's (Center for Mathematics and Applications) research activities.**  
Helge GALDAL, University of Oslo  
11:30 - 12:00 Coffee  
12:00 – 12:30 **Some research lines in University of Reykjavik.**  
M. JONSDÓTTIR, University of Reykjavik, Vicepresident for International Relations  
12:30 – 13:00 **Some applications in computational mechano-chemo-biology.**  
Manuel DOBLARÉ, University of Zaragoza.  
  
13:30 – 16:00 Lunch  
  
16:00 – 16:30 **Deterministic sea wave prediction based on inverted images from nautical radar.**  
Karsten TRULSEN, University of Oslo.  
16:30 – 17:00 **Fluctuations and energetics in small systems.**  
J. M. PARRONDO, Universidad Complutense de Madrid.  
17:00 – 18:00 Coffee and Posters  
18:00 – 19:00 Discussion on possible scientific interactions

## January 22, Friday

- 10:00 – 10:30 **Time-frequency analysis meets complex analysis.**  
Y. LYUBARSKII, Norwegian University of Science and Technology.  
10:30 – 11:00 **Open questions and future directions in kinetic problems.**  
J. SOLER, University of Granada.  
11:00 – 11:30 Coffee.  
11:30 – 12:00 **SAGA – Shapes, geometry and algebra.**  
R. PIENE, University of Oslo.  
12:00 – 12:30 **Some challenges in operations research.**  
M. A. LÓPEZ CERDÁ, University of Alicante.  
12:30 – 13:00 **Abstract interpolation theory and some of its applications in analysis.**  
F. COBOS, Universidad Complutense de Madrid.  
  
13:30 – 16:00 Lunch  
  
16:00 – 18:00 Discussion on possible scientific collaborations. Further steps within NILS mobility project.  
Third and last call for applications open.

## ORGANIZING COMMITTEE:

Marta Arregi (Universidad Complutense de Madrid, Spain)  
Miguel A. Herrero (Universidad Complutense de Madrid, Spain)  
Helge Holden (Norwegian University of Science and Technology, Norway)  
Kristian Ranestad (Oslo University, Norway)  
Juan Tejada (Universidad Complutense de Madrid, Spain).

## Venue:

Facultad de Ciencias Matemáticas  
Universidad Complutense de Madrid  
Aula Miguel de Guzmán / Sala 126  
Plaza de las Ciencias, 3  
Ciudad Universitaria  
28040 Madrid, Spain