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16TH SCHOOL ON INTERACTIONS BETWEEN DYNAMICAL SYSTEMS AND PARTIAL DIFFERENTIAL EQUATIONS

General information

From June 25th to 29th, 2018

Location: [Centre de Recerca Matemàtica](#)

[Poster](#)

[Schedule](#)

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[Booklet](#)

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Presentation

The "School on Interactions between Dynamical Systems and Partial Differential Equations" is an international summer school that has taken place at the Facultat de Matemàtiques i Estadística of the Universitat Politècnica de Catalunya (UPC) every summer since 2002. The 2017 edition took place at the Centre de Recerca Matemàtica. It is an annual meeting between scientists dedicated to dynamical systems and/or to PDEs to exchange knowledge and methods which may help to study new leading border problems in these two fields of mathematics. The conference is aimed at researchers from any country, as well as at local researchers. It consists of four advanced courses of about 6 hours each, complemented by some seminar talks as well as communications and posters by young attending researchers.

[JISD former editions](#)

Lecturers

Manuel del Pino, Universidad de Chile in Santiago, Chile. [Singularity formation and bubbling in nonlinear diffusions](#)

Francesco Maggi, University of Texas at Austin, USA. [An introduction to geometric measure theory](#)

Daniel Peralta-Salas, ICMAT Madrid, Spain. [Periodic orbits and invariant tori in ideal fluid flows](#)

Michela Procesi, Università Roma Tre, Italy. [KAM theory for non linear partial differential equations on the circle](#)

Organizing Committee

Xavier Cabré

Matteo Cozzi

Amadeu Delshams

Marcel Guàrdia

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BGSMath and Universitat Politècnica de Catalunya

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Scientific Committee

Scott Armstrong

Jean Pierre Eckmann

Jean-Michel Roquejoffre

Susanna Terracini

Université Paris - Dauphine

Université de Genève

Paul Sabatier University

Università de Torino

Poster session

If you wish to present a poster, please submit the following form before **April 17th, 2018**.

Results will be sent before **May 4th, 2018**.

Application form

Grants

* Only applications from **pre-registered** participants will be accepted

In order to increase the number of young researchers participating in this activity, the CRM announces a call for those participants interested in taking part in this activity. This grant includes a reduced registration fee and housing in a shared apartment on campus from **June 24th to June 30th, 2018**.

Application Form

Application deadline for grants: **April 17th, 2018** (Resolutions will be sent **before May 4th**)

EMS:

The EMS offers some travel grants to young mathematicians from less-favoured regions within the geographical area of EMS membership for presenting results at conferences or attending courses, or for research stays in foreign countries, normally up to a maximum of 900 euros in each case or 500 euros for trips within Europe.

Eligible researchers should use this [online form](#) in order to apply for travel grants.

Registration

Early bird registration fee: 250€ (until May 18th, 2018)

Regular registration fee: 300€

Deadline for registration: June 8th, 2018

Registration includes: Documentation package, coffee breaks and lunches.

Refund policy:

The registration fee depends on the date of the payment.

Cancellations received 1 month before the start of the activity will incur in an administrative fee of 50% of the total amount.

Cancellations received less than one month prior to the start of the activity are not refundable.

You will be able to pay by card or bank transfer through the on-line registration system.

Lodging information

For lodging in the area please click [here](#)

For off-campus and family accommodation click [here](#)

Contact information

If you have any questions please contact the activity's coordinator Ms. Alba Tomàs (atomas@crm.cat)

Organized by



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Acknowledgements

This program is made possible in part by the generous support from the **European Mathematical Society** and it has also received funding from the **European Research Council** (ERC), under the European Union's Horizon 2020 research and innovation programme (grant agreement No 757802).



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