

SCOPE

The aim of this workshop, the 7th of the series, is to bring together researchers working on parallel-in-time methods for the numerical simulation of evolution model of complex phenomenon. The workshop will allow the participants to discuss recent advances and future directions. It will take place in the marine station of Roscoff (France), which offers the unique combination of a quiet and friendly environment for academic meetings and immediate closeness to the city and its wonderful marine and coastal surroundings.

ORGANIZERS

Organizing Committee :

Caroline Japhet (Université Paris 13, France)
Yvon Maday (UPMC Sorbonne Université, France)
Olga Mula (Université Paris Dauphine, France)

Scientific Committee :

Stephanie Friedhoff (Bergische Universität Wuppertal, Germany)
Laurence Halpern (Université Paris 13, France)
Rolf Krause (University of Lugano, Switzerland)
Daniel Ruprecht (University of Leeds, UK)
Debasmita Samaddar (Culham Centre for Fusion Energy, UK)
Jacob B. Schroder (Lawrence Livermore National Laboratory, USA)
Robert Speck (Jülich Supercomputing Centre, Germany)

REGISTRATION

Registration and accommodation fees (per person)

	Fees	Comments
Flat rate 5 days	500 €	fees include registration, lodging and meals, from tuesday dinner to saturday breakfast, as well as breaks, banquet, thursday excursion, and the material distributed to the participants

Registration and accommodation must be secured online **before April 4, 2018.**

No cancellation will be possible after April 11 2018.

CALL FOR COMMUNICATIONS

Submission of Abstracts

Submissions of **contributed talk** or **poster** related to the topics of the 7th PINT Workshop are invited.

Deadline for submission of abstracts is March 23, 2018.

Please refer to the web site for the submission of the abstract.

Acceptance of abstracts will be communicated at the latest the 30th of March 2018. The abstract will be published in the book of abstracts only after validation of the inscription.

If you would like to participate without giving a presentation, you can register via the registration process described above. In case of too many applicants, priority will be given to those who submit an abstract.

Grants for PhD students

We have secured, in particular through the **Jülich Supercomputing Centre**, some travel support for PhD students working in the field of parallel-in-time integration methods. The selected students will receive up to EUR 1.500 each for covering parts of their travel expenses. The Scientific Committee of the PinT Workshop Series will select students based on applications. These should include :

- a description of their PhD thesis topic, stating the connection to parallel-in-time methods (1-2 pages)
- a letter of motivation, containing a short CV (1-2 pages)
- a short description of the group they are affiliated to (up to 1 page)
- the abstract of their presentation

Students traveling to the meeting via this grant are expected to present their work either on a poster or during a talk. Applications should be sent to r.speck@fz-juelich.de

Deadline for submission of applications is March 16, 2018.

Best student presentation will receive a **FoMICS/ICS** and **CCFE** prize.

INQUIRIES & CONTACT

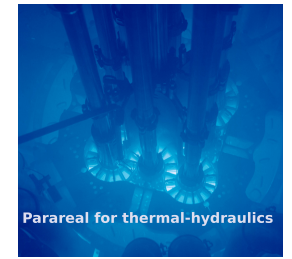
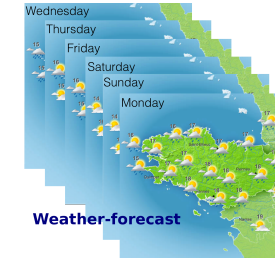
Website : www.math.univ-paris13.fr/~japhet/PINT2018

e-mail : workshop_PINT18@ann.jussieu.fr

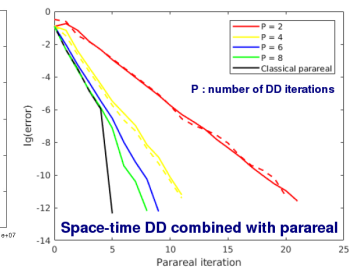
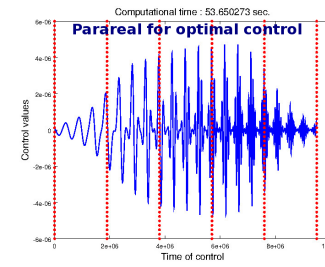
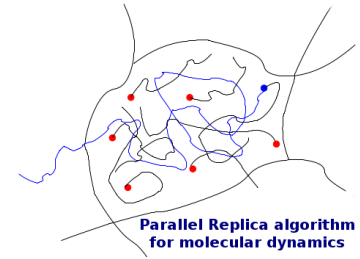


PINT SIMULATIONS

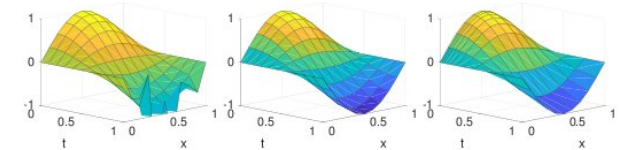
Examples of PINT applications are large time-dependent fluid simulations, weather-forecast, long-time planet orbit calculation, etc... Below some examples of the PINT group. See also www.parallelintime.org.



Symplectic parareal scheme



Time parallel algorithm using diagonalization



INVITED SPEAKERS

Jan Hesthaven

(Ecole Polytechnique Fédérale de Lausanne, Switzerland)

Rolf Krause

(University of Lugano, Switzerland)

Debasmita Samaddar

(Culham Centre for Fusion Energy, Culham, UK)

Giovanni Samaey

(KU Leuven, Belgium)

Iain Smears

(University College London, UK)

Shu-Lin Wu

(Sichuan University of Science & Engineering, and University of Electronic Science & Technology, China)

LOCATION

Roscoff Marine Station
Place Georges Teissier
29680 Roscoff, France



CNRS UPMC

Station Biologique
Roscoff



ORGANIZATION AND SPONSORS



EXCURSION

During the free afternoon of Thursday May the 3th, 2018, two excursions will be organized either a walk tour on *Perharyd peninsula* or in the exotic garden of Roscoff. Some participant may prefer to use this afternoon at their will.

After the conference, in the afternoon of Saturday the 5th, 2018 an excursion on *Ile de Batz* (with a visit of the exotic garden *Jardin Georges Delaselle*) will also be offered for those participants that want to enjoy more time in Brittany. Those participants must secure their nights in surrounding hotels as the conference center will be closed. Suggestions of hotels are given on the web site.



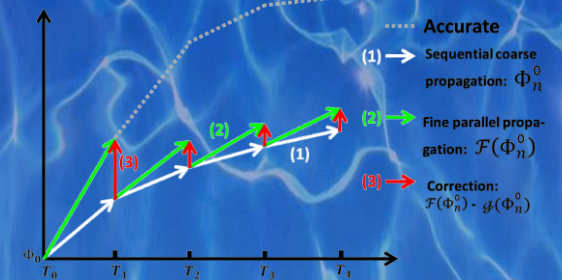
PinT 2018

7th Workshop on Parallel-in-Time Integration

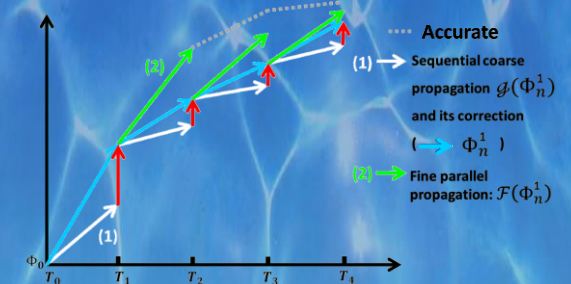
May 02-05 2018

Roscoff Marine Station, France

Iteration k=0



Iteration k=1



Contact : workshop_PINT18@ann.jussieu.fr
www.math.univ-paris13.fr/~japhet/PINT2018