



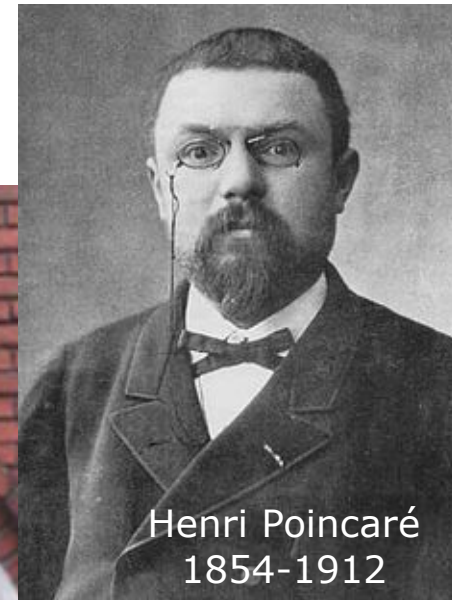
1st IFAC Workshop on Control of Systems Modeled by Partial Differential Equations

Opening





1st IFAC Workshop on Control of Systems Modeled by Partial Differential Equations



Henri Poincaré
1854-1912



Some Background

- IFAC series of symposia from **1971** to **1989** with the 5th IFAC Symposium “Control of Distributed Parameter Systems” in Perpignan (F) organized by A.El Jai and M. Amouroux
- Bi-annual series of Workshops on “Control of Distributed Parameter Systems” starting **1998** (plus others!)
- Two IFAC affiliated workshops “Control of Distributed Parameter Systems” (**2007** in Namur (B) by J. Winkin and D. Dochain, **2009** in Toulouse (F) by D. Matignon and C. Prieur)
- Establishment of **IFAC TC 2.6 “Distributed Parameter Systems”** in 2011 during the IFAC World Congress





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Some Statistics

Regular / Discussion Paper Submissions	59 / 19 (total 78)
Invited Session Proposals / Papers	8 / 40
Accepted / Rejected / Withdrawn	66 / 11 / 1
Countries / Continents	24 / 4
Plenaries	5

3 days with 12 regular / invited sessions (2 in parallel)



Plenary Speakers



Jean-Michel Coron (Univ. Pierre et Marie Curie)
Controllability of PDEs and Nonlinearity: Methods, Results and Open Problems



Miroslav Krstic (UC San Diego)
PDE Control Designs Inspired by Problems in Off-Shore Drilling and Oil Production



Plenary Speakers



Hans Zwart (Univ. Twente)
Well-Posedness of Port-Hamiltonian Systems



Kirsten Morris (Univ. Waterloo)
Optimal Actuator Location



Plenary Speakers



Günther Leugering (Univ. Erlangen-Nürnberg)
Optimal Control of Partial Differential Equations on Networked Domains



Invited Sessions

- Port Hamiltonian Modeling and Control of Distributed Parameter Systems (Y. Le Gorrec, B. Maschke)
- PDE Applications (V. Dos Santos Martins)
- Modeling and Control of Collective Dynamics (M. Caponigro, B. Piccoli, R. Ghezzi)
- Sparse Solutions in Optimal Control of Partial Differential Equations (E. Casas, F. Tröltzsch)
- Error Analysis in Optimal Control of Partial Differential Equations (E. Casas, F. Tröltzsch)
- Model Predictive Control for PDEs (L. Grüne)
- Control of Partial and Delay Differential Equations (J.A. Burns, H.T. Banks)
- Reduced Order Modelling in PDE Constrained Optimization (S. Volkwein, L. Iapichino)



Associate Editors



C. Bonnet



E. Casas



P. Christofides



A. Kugi



Y. Le Gorrec



A. Macchelli



T. Meurer



J. Rudolph



E. Trelat



E. Zuazua





1st IFAC Workshop on Control of Systems Modeled by Partial Differential Equations

Agenda

- Welcome by Jean-Philippe Uzan, Deputy Director of IHP
- Welcome by Janan Zaytoon, President-Elect of IFAC
- Local Arrangement by Yann Le Gorrec, NOC Co-Chair



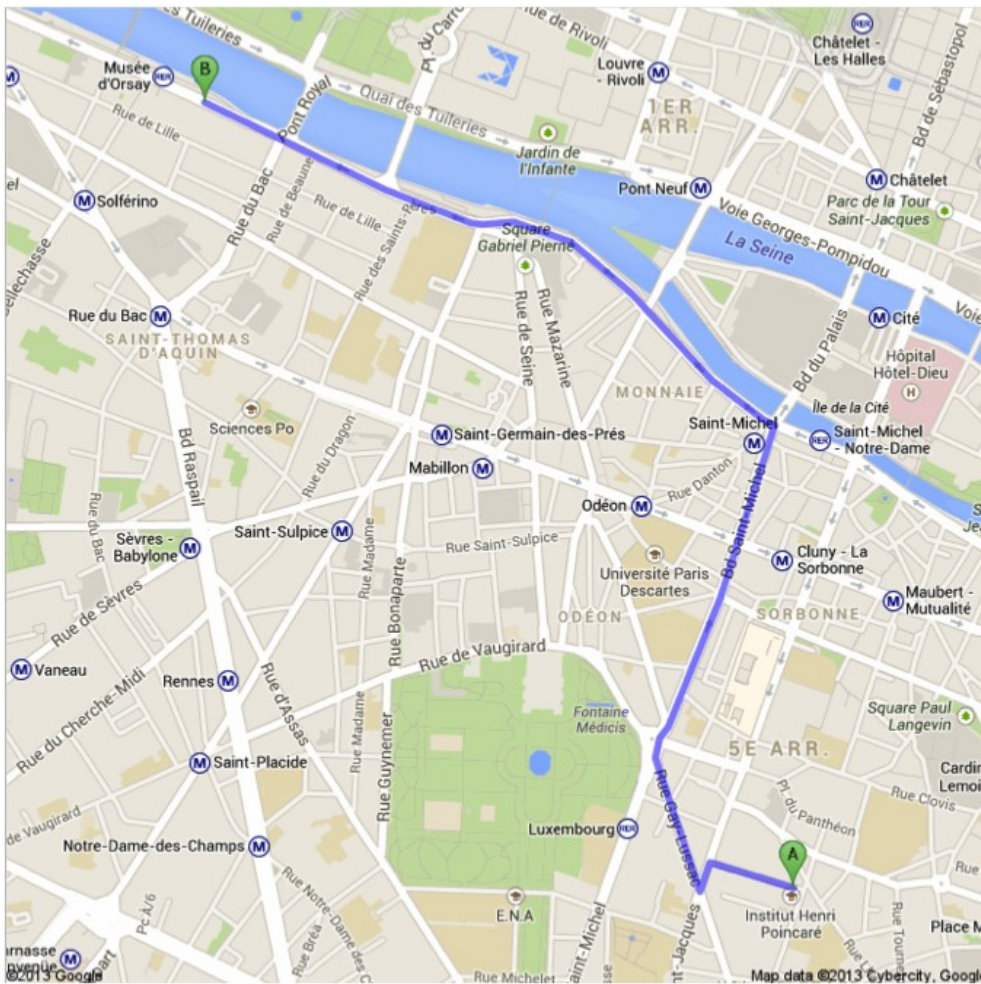
Local Arrangements

- **Lunches:** Lunches will be served at the Cafeteria of the Institut Henri Poincaré at 12h30
- **Coffee breaks:** Coffee and tea will be served at the Cafeteria of the Institut Henri Poincaré
- **Conference Dinner:** Dinner will take place in the Musée d'Orsay on *Thursday*. Dinner starts at **20:00** and ends at around 23:30
- **Social event:** A guided visit of the Musée d'Orsay is organized on *Thursday* the 26 of september at **18:30**
- **Meeting of the IFAC TC:** The IFAC-Technical committee will meet on Thursday 26 th September, at **17h20**

A panoramic view of Paris, France, showing various domes and buildings, with the Eiffel Tower visible in the distance under a cloudy sky.

All the information is available in the booklet

Local Arrangements



Musée d'Orsay
62, rue de Lille
75343 Paris Cedex 07
France

Métro 12 Solférino
RER C Musée d'Orsay
Bus 24, 63, 68, 69, 73, 83,
84, 94

Meeting point Thursday,
17:20 in front of IHP
(build 3 groups for the
guided tour)



Enjoy the Workshop!

Problems/Questions contact



C. Bonnet



Y. Le Gorrec



T. Meurer



E. Zuazua

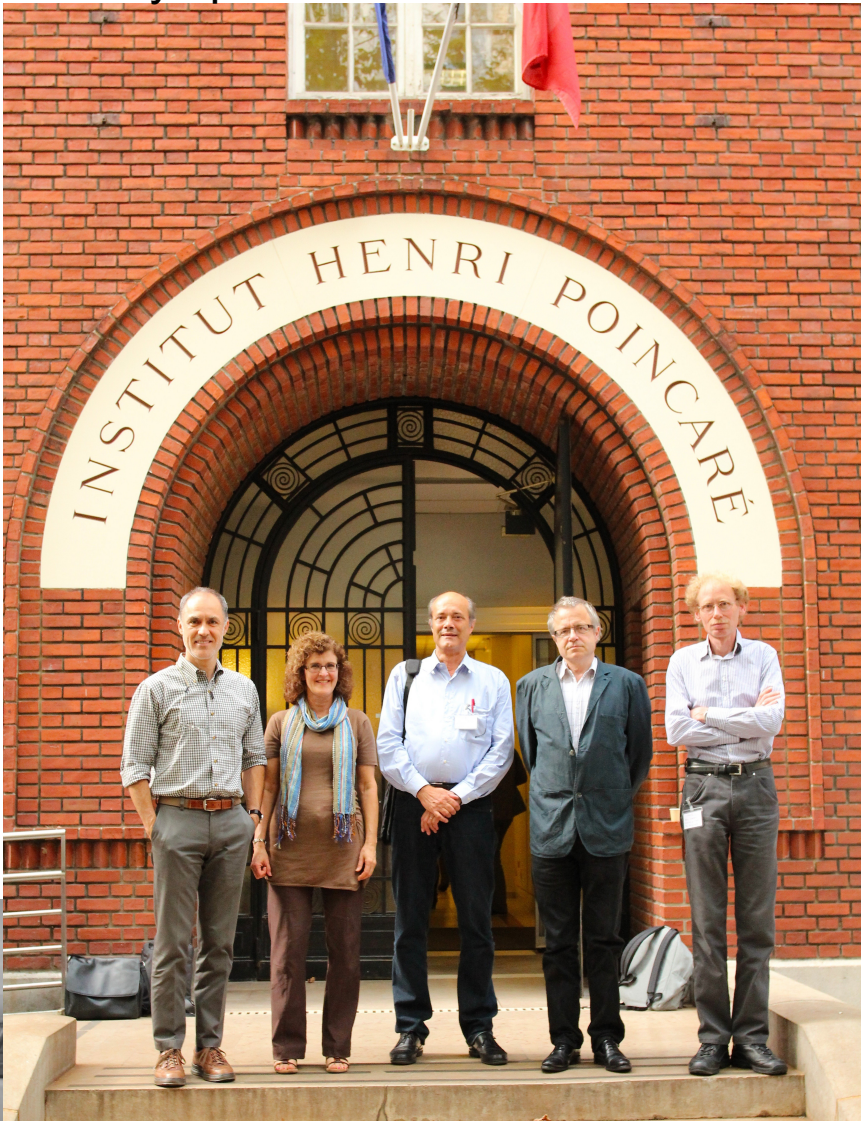


Pictures of the Workshop



Pictures of the Workshop

Plenary speakers



Plenary speakers and organizers

