



COLLÈGE
DE FRANCE
—1530—

Chaire Pierre-Louis Lions

ÉQUATIONS AUX DÉRIVÉES PARTIELLES ET APPLICATIONS



Kinetics, Fluids, Waves : PDE Symposium in honor of Claude Bardos' 85

Date: Friday **11 april 2025**, 9h45 – 12h30 and 14h – 16h – 17h

Place: **Pl. Marcelin Berthelot 11**, 75231 Paris, **salle 5** “amphithéâtre Mireille Delmas-Marty“

Zoom: link = <https://zoom.us/j/91955105283?pwd=oL81QNHxYNDD8BAxfzSrzevBCvSFXt.1>

Registration is free, but mandatory; **by e-mail to** : bardos85fest@gmail.com

Organizers: **Pierre-Louis LIONS** (Collège de France)
Véronique SAINZ (Collège de France)
François GOLSE (CMLS Ecole Polytechnique)
Norbert J. MAUSER (Inst. CNRS Pauli & WPI Vienna)
Anna ROZANOVA-PIERRAT (MICS CentraleSupélec)

Programme:

9h45 Welcome talk **François Golse** “*Kinetic Claude*”
10h15 Talk **Pierre-Louis Lions** “*Remarks on High Dimensions*”
11h00 **Coffee break**
11h30 Talk **Norbert J. Mauser** “*Quantum Claude*”
12h00 Talk **Olivier Pironneau** (LJLL) “*The Mathematics of the Earth’s Greenhouse Effect*”
12h40 **Lunch break**
14h20 Talk **C. David Levermore** (U.Maryland) “*Fluid Dynamics beyond Navier-Stokes*”
15h00 Talk **Jeffrey Rauch** (U.Michigan) “*Observations on Observation of Waves*”
15h40 **Mot final:** **Claude Bardos**
16h “*Le pot qui suit*” : champagne sur canapés

At the occasion of his 85th birthday, we celebrate Claude Bardos and his contributions to science and society. Several close collaborators/friends present joint results and perspectives for the future.

After his PhD under Jacques-Louis Lions in 1969, Claude became a pillar of French/European mathematics, working on (asymptotic analysis of) PDE, with focus on kinetic & hydrodynamic equations, and with emphasis on true applications in physics & engineering. Among his many distinctions we mention the Grand Prix Marcel Dassault and the SIAM Maxwell prize (that he received at the ICIAM 2019 from the Spanish king Felipe VI.)



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