

Congrès des jeunes chercheur · e · s
en mathématiques appliquées



Champs-sur-Marne

March 2–4, 2026

- ▶ Yearly congress
- ▶ From the initiative of the SMAI
- ▶ Goals:
 - ▶ To create exchanges between young researchers and more experienced ones
 - ▶ To give exposure to the work of young researchers
 - ▶ To create a framework for discussion about a scientific and/or academic career

Previous congresses

- ▶ **2021**: October 27–29, École Polytechnique, Palaiseau
- ▶ **2022**: September 21–23, ULCO, Calais (59 participants)
- ▶ **2023**: September 25–27, CentraleSupélec, Gif-sur-Yvette (143 participants)
- ▶ **2024**: October 28–30, ENS, Lyon (119 participants)

Who is the SMAI?

SMAI: Société de Mathématiques Appliquées et Industrielles

- ▶ Non-profit association (law 1901)
- ▶ Founded in 1983 by French applied mathematicians

Fields concerned:

- ▶ Scientific computing
- ▶ Numerical analysis
- ▶ PDEs
- ▶ Control
- ▶ Applied probability
- ▶ Finance and statistics
- ▶ Image processing
- ▶ Modelling in biology

Other SMAI events

- ▶ SMAI congress
- ▶ CANUM
- ▶ CEMRACS
- ▶ Group days: SMAI-GAMNI, SMAI-MAS, SMAI-MODE, SMAI-SIGMA, SMAI-MABIOME
- ▶ Rencontres Maths Industrie, Forum Emploi Maths
- ▶ **BOUME**: BOUge the Mathématiques
fundings from SMAI projects of young researchers
- ▶ CJCMA

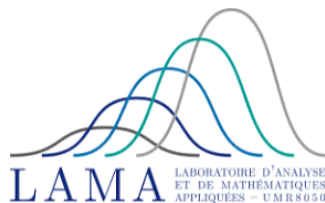
Congress organization



- ▶ Group of 3 joint research units: CERMICS, LAMA, LIGM
- ▶ Promotes interactions between the labs and Maths-Computer science interdisciplinarity



- ▶ Joint Research Unit between École des Ponts and CNRS
- ▶ 25 permanent researchers, around 45 PhD students, and 15 postdoctoral researchers.
- ▶ 3 teams of research: applied probability, optimization and modelling/analysis/simulation
- ▶ Hosts Inria teams: SERENA, MATHRISK, MATHERIALS



- ▶ Joint Research Unit (UMR) under three supervising institutions: CNRS, Université Gustave Eiffel (UGE), and UPEC.
- ▶ 79 faculty members and researchers, around 40 PhD students, and postdoctoral researchers.
- ▶ Research areas: partial differential equations, geometry, probability, fractal geometry, and high-dimensional phenomena.



Sous la co-tutelle de :

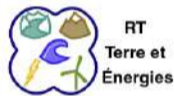
CNRS
ÉCOLE DES PONTS PARISTECH
UNIVERSITÉ GUSTAVE EIFFEL

- ▶ Joint Research Unit (UMR) under the supervision of the CNRS Institute for Information Sciences, Université Gustave Eiffel (UGE), and École des Ponts.
- ▶ \approx 100 permanent researchers,
 \approx 60 PhD students.
- ▶ Research areas: theoretical computer science, combinatorics, machine learning, image processing, telecommunications, and networks.

Sponsors



Sous la co-tutelle de :
CNRS
ÉCOLE DES PONTS PARISTECH
UNIVERSITÉ GUSTAVE EIFFEL



Organizing team

Team of Phd students and postdoctoral and permanent researchers
from CERMICS, LAMA, and LIGM

Practical organization

Where can we find information?

- ▶ Any member of the organizing team
- ▶ **Website:** <https://cjcma2026.sciencesconf.org/>
- ▶ **Whatsapp group**

Name tags



We will collect name tags holders at the end of the congress!

Catering

Bâtiment Carnot



Bâtiment Bienvenue



At **salle polyvalente** behind the stairs to Amphithéâtre Cauchy.

Dinner



- ▶ Buffet
- ▶ Vege options

Tuesday, 19:00, Hall Carnot

Social activities on Monday

with snacks and drinks!



- ▶ Karaoke
- ▶ Quiz
- ▶ Board games
- ▶ Outdoor games (weather permitting)

Monday, 17:30, Hall Carnot

Group picture

Bâtiment Carnot

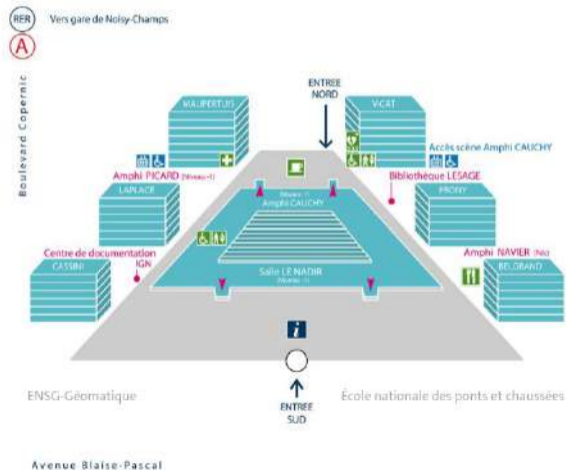


Tuesday, 14:00, Hall Carnot

Scientific organization

Parallel sessions

- ▶ Aile Belgrand: B102, B103, B202, **B005**
- ▶ Amphithéâtre Cauchy



Posters

Bâtiment Carnot



You may already hang your poster on the stands!

Tuesday, 17:30–18:30, Hall Carnot

Plenary sessions (Amphithéâtre Cauchy)

Clément Cancès

Flash calculation of chemical equilibria in multiphase reactive mixtures: Unified formulation and efficient computation

— **Monday, 14:30–15:30, Amphithéâtre Cauchy**

Elsa Cazelles

Optimal transport and applications in statistical analysis

— **Tuesday, 14:30–15:30, Amphithéâtre Cauchy**

Laurent Mazliak — Wednesday

Emile Borel and the probabilistic turn of a worried Cantorian

— **Wednesday, 11:30–12:30, Amphithéâtre Cauchy**

Round table

The scientific publication system and its current stakes

with

- ▶ **Cécile Armana** Laboratoire Paul Painlevé, Lille
- ▶ **Léo Dreyfus-Schmidt** Turnstile Labs
- ▶ **Marie Farge** LMD-IPSL-CNRS, Paris

Wednesday, 14:00–15:30, Amphithéâtre Cauchy

Emile Borel exhibition



Code of conduct

Professional Conduct & Gender-Based Violence (GBV)

Our Shared Responsibility

We are gathered in a professional academic environment. All participants are expected to:

- ▶ Behave with professionalism and integrity.
- ▶ Allow others to speak without interruption.
- ▶ Engage in respectful and constructive discussion.

Zero Tolerance for Discrimination or Harassment

Any form of homophobia, sexism, racism, gender-based violence, harassment, intimidation, or other discriminatory behavior will not be tolerated.

If you experience or witness inappropriate behavior

Please contact us:

- ▶ **In-Person:** Louis or Alicia
Phone: +33 7 50 25 54 38
+33 6 44 80 89 26
- ▶ **Email:** cjcma26-vss@sciencesconf.org

All reports will be treated seriously and handled confidentially.

Summary

- ▶ Parallel session in Aile Belgrand and Amphithéâtre Cauchy
- ▶ Plenary talks in Amphithéâtre Cauchy
- ▶ Poster session in Hall Carnot
- ▶ Coffee in salle polyvalente
- ▶ Lunch in batiment Bienvenue

Thank you for your attention!

Have a great congress!