
15th International Conference on Numerical Combustion

Palais des Papes, Avignon, France

April 19-22, 2015



www.nc15.ecp.fr

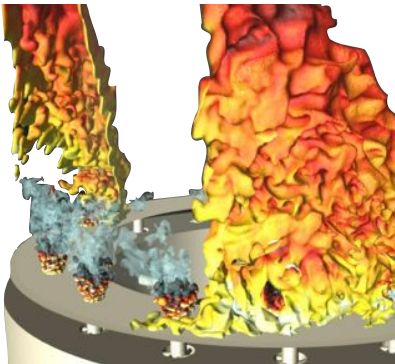
Organized by EM2C-CNRS and Ecole Centrale Paris



Presentation

EM2C laboratory is pleased to announce and invite you to participate to the 15th edition of the International Conference on Numerical Combustion in Avignon (France) on April 19-22, 2015. ICNC 2015 follows a series of conferences, the latest editions took place in Sorrento, Italy (2002), Sedona, Arizona (2004), Granada, Spain (2006), Monterey, California (2008), Corfu, Greece (2011) and San Antonio, Texas (2013).

Continuous advances in computational algorithms, hardware and software, as well as progress in chemistry description and turbulent combustion modeling, have a revolutionary impact on combustion sciences. The forthcoming Fifteen International Conference on Numerical Combustion will focus on the integration of theory, modeling and numerical implementation to perform high-fidelity simulations of basic combustion physics and technological applications.



Organizing Committee

D. Veynante (chair)
M. Boileau, S. Candel, N. Darabiha,
S. Ducruix, B. Fiorina, O. Gicquel,
A. Larat, F. Laurent-Nègre,
B. Llobel, M. Massot, F. Richecoeur,
N. Rodrigues, P. Scoufflaire,
T. Schmitt, R. Vicquelin

Laboratoire EM2C - CNRS / ECP

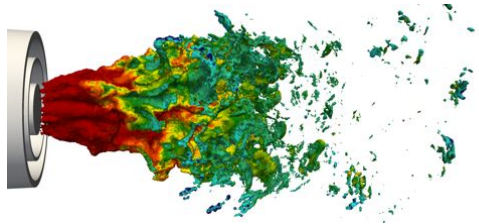
The themes of the conference include, but are not limited to:

- Laminar flames, kinetics, mechanism reduction
- Ignition, quenching
- Turbulent combustion
- Combustion dynamics and instabilities
- Emissions and Pollution
- Droplets and sprays
- Real gas effects in combustion
- Heterogeneous combustion
- Detonation, explosions
- Gas turbines, engines and furnaces
- Fires
- Micro-combustion
- New combustion technologies
- Numerical methods for reacting flows
- Code coupling
- High-performance computing for combustion applications
- ...

Contribution to ICNC 2015

Keynote lectures

Three plenary lectures will be given by world leading scientists in the area of numerical combustion.



Contributed presentations

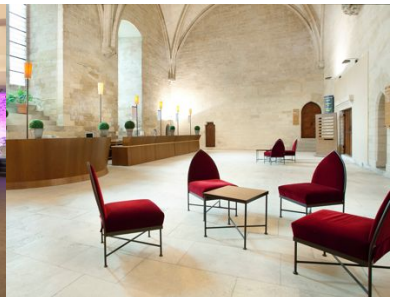
Contributed presentations (15 min talk followed by 5 min discussion) are encouraged in all areas of numerical combustion, consistent with the conference topics. Presentations are selected on the basis of an abstract not exceeding 100 words.

Mini-symposia

A mini-symposium is a two-hour session devoted to a well-focused subject on numerical combustion. It consists in four 25-min presentations, with an additional 5 min for discussion after presentation. Prospective organizers are invited to submit a proposal providing the title of the suggested mini-symposium, a brief description of the topic (not exceeding 150 words), as well as a list of speakers, the titles of their talks and the corresponding abstracts (not exceeding 100 words).

Submission process

Deadline for submission is October 31st, 2014. More information on the submission process is available at: www.nc15.ecp.fr



The place

Avignon

The skyline of Avignon is a magnificent urban landscape. Overlooking the city and the Rhône river, the Rocher des Doms presents an exceptional set of monuments including the famous Saint Bénézet Bridge, the Remparts, the Petit Palais, the Cathedral and the impressive walls of the Palais des Papes flanked by four mighty towers. This architectural group is ranked *world heritage for humanity* by UNESCO. The International Conference on Numerical Combustion will take place in the Convention Centre, occupying two private wings of the Palace of the Popes, located in the heart of the historical centre of Avignon, easily accessible by foot from the hotels.



Location

Easily accessed by high speed trains (TGV), Avignon is located southeastern France at distances of 700 km from Paris, 230 km from Lyon, 100 km from Marseille and 250 km from Nice.



Contact

nc15@ecp.fr

www.nc15.ecp.fr