

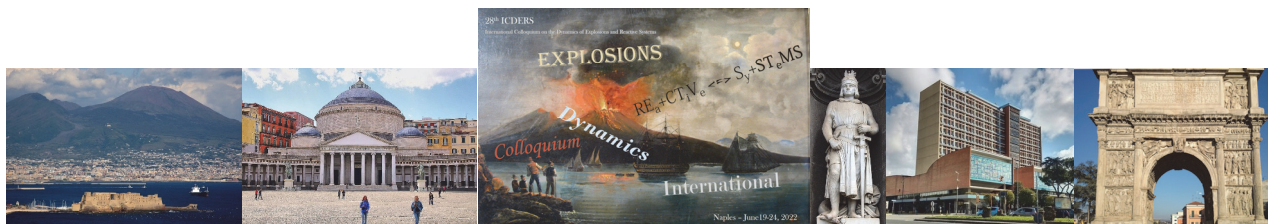
28th International Colloquium on the Dynamics of Explosions and Reactive Systems



Sunday 19 – Friday 24 June 2022

Napoli, Italy

FIRST INVITATION



The **International Colloquia on the Dynamics of Explosions and Reactive Systems (ICDERS)** have been the premier international forum for the presentation of scientific contributions in the fields of explosions and unsteady combustion, where there is a strong coupling between reaction and fluid mechanics. Since its founding in 1967 by N. Manson, A.K. Oppenheim, and R. Soloukhin, the colloquia have been held every two years. They are recognized by The Combustion Institute as a Specialists Meeting on the fluid dynamics of combustion. For the first time, the next 28th edition will be held in Italy, hosted in the beautiful and historical city of Naples.

Prior ICDERS Meetings: Bruxelles (1967), Novosibirsk (1969), Marseille (1971), San Diego (1973), Bourges (1975), Stockholm (1977), Gottingen (1979), Minsk (1981), Poitiers (1983), Berkeley (1985), Warsaw (1987), Ann Arbor (1989), Nagoya (1991), Coimbra (1993), Boulder (1995), Krakow (1997), Heidelberg (1999), Seattle (2001), Hakone (2003), Montreal (2005), Poitiers (2007), Minsk (2009), Irvine (2011), Taipei (2013), Leeds (2015), Boston (2017), Beijing (2019).

Scientific Program

The meeting encompasses and welcomes both basic and applied research. Specific examples of contributions from previous years can be found by visiting the website of the Institute for the Dynamics of Explosions and Reactive Systems (IDERS), <http://www.icders.org>, which has links to a collection of proceedings.

Contributed presentations, in oral and poster sessions, plenary and special sessions will take place during the week-long Colloquium. Authors of papers presented at this meeting are encouraged to submit full-length versions to one of these journals: **Combustion Science and Technology**, **Combustion Theory and Modeling**, and **Shock Waves**.

Chairs of 28th ICDERS are: **Akiko Matsuo (Chair)**, Keio University, Japan; Andrea Comandini, CNRS-ORLEANS, France; Ng Hoi Dick, Concordia University, Canada; Mirko Gamba, University of Michigan, USA.

Venue

The 28th ICDERS will be hosted in Naples, Italy, by the National Research Council – Institute for Science and Technology for Sustainable Energy and Mobility (CNR – STEMS), in cooperation with the University of Naples Federico II and the University of Sannio and the assistance of MCM Eventi e Congressi.

The Chair of the Host Committee is Francesco Saverio Marra. Timely information, instructions for Extended Abstracts submission, and key dates will be published on the official conference website.

Web: <http://www.28icders.stems.cnr.it>

Contact Information: 28icders@stems.cnr.it

Extended abstract submission

The submission of 4 or 6 pages extended abstracts for contributions to the colloquium will open soon. Each submitted contribution will be reviewed by an international committee. **The deadline for the submission of extended abstracts is on September 10, 2021.** Short abstracts for Work-In-Progress posters can also be submitted.

COVID-19 special advices

The 28th ICDERS, originally planned to be held in August 2021, has been postponed in the hope that it can be held fully in person, to represent the occasion for fruitful discussions, the inclusion in the community of younger scientists, and for meeting opportunities. The conversion to a partially or fully on-line conference will be applied if, in the case of the persistence of the pandemic, totally safe conditions for health cannot be guaranteed or in consequence of governmental prescriptions.