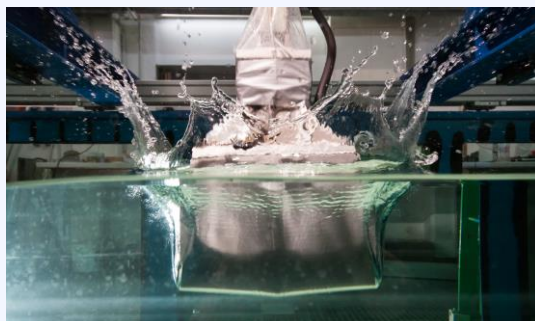


Multiphase 2024

20th International Workshop on Trends in Numerical and Physical Modelling for Industrial Multiphase Flows

25th – 27th September 2024

Call for Abstracts



Workshop subject

Multiphase flow phenomena are ubiquitous in many fields of industry. They can be found in traditional fields of chemical, nuclear and oil industries but also in emerging fields of the green industry. Multiphase flow encompasses a number of subjects, from the nearly homogeneous flow, as developed in long transport lines of gas-liquid-solid mixtures or in short in-plant circuits, to completely separated flows, as in the case of nuclear or gas fluidized reactors. Furthermore, the scientific knowledge behind multiphase flow technology spans different disciplines such as fluid mechanics, transport phenomena, equipment design, surface thermodynamics, sprays, etc.

Call for Abstracts

Authors interested in presenting their work during the workshop are invited to send an abstract of 200 words in English (max. 1 page including figures in pdf format) to the Organizing Committee (multiphase@uni-due.de).

Abstracts are expected to include either numerical simulations, experimental work, the development of original mathematical modeling or a suitable combination of them. Abstracts are not only expected to present results and achievements but may also describe unsolved problems within their context. The selection criteria will be based on the relevance of the work with regard to the workshop subject, as well as on originality and quality of the technical or scientific contribution or on the interest of the unsolved problems proposed. Final contributions to the workshop will be given through an oral presentation of 20 min. English will be the official language of the MULTIPHASE Workshop.

The spirit of MULTIPHASE is based on promoting discussions, the exchange of points of views and ideas regarding complex, technical and scientific subjects, as well as to promote and inspire collaboration and cooperation between all participants.

Important Dates

| | |
|--|-----------------------------------|
| Latest until 21 st June 2024 | Submission of an Abstract |
| Latest until 28 th June 2024 | Author Notification of Acceptance |
| Latest until 5 th July 2024 | Registration & Payment |
| 25 th – 27 th September 2024 | Conference |

Workshop Fees

A fee of 350 EUR is requested to attend the workshop. The fee includes lunch during the duration of the workshop and the gala dinner.

Venue of the Workshop

DST – Development Centre for Ship Technology and Transport Systems

Oststraße 77, 47057 Duisburg/Germany,
www.dst-org.de

Accommodation

The conference venue is located close to the city center of Duisburg and the main station. We recommend the following two hotels:

- IntercityHotel Duisburg:
<https://hrewards.com/de/intercityhotel-duisburg>
- Mercure Hotel Duisburg City:
<https://www.mercure-duisburg-city.de/>

Social Event

During the workshop, we will visit the facilities used to study multiphase flow phenomena at the University of Duisburg-Essen. A visit of Cologne will be followed by the gala dinner on 26 September 2024.

Organization Committee

The workshop is organized by Gaztransport & Technigaz (GTT), University of Duisburg-Essen (UDE) and University of Twente.

Nicolas Couty (GTT), Laurent Brosset (GTT)
Bettar el Moctar & Andreas Peters (Univ. Duisburg-Essen)
Rodrigo Ezeta (MARIN)
Devaraj van der Meer (Univ. Twente)

Contact

Please register using the conference registration website. Late registrations may not be accepted. If you wish to get in contact with the organizers, please use the conference email.

Email: multiphase@uni-due.de

Website: <https://www.conftool.com/Multiphase2024>

Sponsor



Gaztransport & Technigaz (GTT)