

IMPORTANT DATES

25 March 2022	Deadline Abstract submission
06 May 2022	Notification of abstract acceptance
24 June 2022	Deadline of full-length manuscripts submission
24 June 2022	Deadline Early Bird registration
31 July 2022	Deadline for "Hotel Reservation"
14 September 2022	Deadline for receipt of the power point data for 5 min. introduction of posters

SYMPOSIUM CONTRIBUTIONS

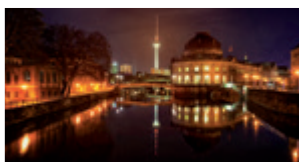
All accepted contributions will appear in an e-book. The e-book will be made available to participants during registration at the symposium. After peer review, a limited number of original contributions will be published later in the special issue of *Chemical Engineering & Technology*.

ACCOMMODATION AND VENUE

Berlin, the capital and largest city in Germany, is situated on the rivers Spree and Havel. Berlin is historical, cultural, classic and modern at the same time, open-hearted and extroverted. Its unique combination makes it one of the most inspiring and multifarious places in the world.

H4 Hotel Berlin Alexanderplatz

Karl-Liebknecht-Str. 32
10178 Berlin
Germany

**REGISTRATION FEES¹⁾**

	EARLY until 24 June 2022	REGULAR after 24 June 2022
Industry	760 €	860 €
University/Agency	540 €	640 €
PhD Student, Student, Pensioner, Accompanying Person ²⁾	260 €	360 €

1) No VAT requested according to § 4.22 UStG, registration fee may include Business Package with VAT.

2) Confirmation required

abstract submission

Please submit your abstract until **25 March 2022**:

<http://processnet.org/mmpe2022>

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CALL FOR PAPERS

25 – 28 September 2022
Berlin · Germany

4th International Symposium on Multiscale Multiphase Process Engineering (MMPE)

<http://dechema.de/mmpe2022>



INVITATION / PROGRAMME

It is our great pleasure to host the 4th international symposium on Multiscale Multiphase Process Engineering (MMPE) in Berlin, Germany on 25 – 28 September 2022, in continuation of the successful and inspiring symposia that were held in Kanazawa (1st, 2011), Hamburg (2nd, 2014) and Toyama (3rd, 2017) each with more than 110 participants from Japan, Germany and other countries.

Within the last decade a remarkable progress has been made in nanotechnology, micro process engineering, numerical simulation and measurement techniques providing a deeper insight into an undiscovered world of multiscale phenomena. To discuss the tremendous effects of multiscale phenomena in multiphase process engineering, researchers from all over the world are invited to participate. The symposium calls for the submission of abstracts describing original works on modern nano-, micro- and macro-scale aspects of multiphase process engineering and related topics. The papers are to contain information on research rationale, methodology, results and major conclusions. Applied papers from industries engaged in multiscale phenomena in multiphase process, particularly those addressed to draw strong scientific needs, are especially welcomed. The MMPE conceives to organize a unique and tight network among participants. We sincerely welcome participants from every country and with a wide range of academic and professional backgrounds. Especially, young scientists and students are cordially invited.

Prof. Dr.-Ing. Matthias Kraume
(Conference Chair)

Prof. Dr.-Ing. Michael Schlüter
(Conference Vice Chair)

TECHNICAL PROGRAMME AND SCHEDULE

The programme will consist of

- » Keynote lectures and full oral presentations
- » Poster presentations with 5-minute oral presentations
- » One-day visiting tour of Berlin.

Language

Official language is English.

Symposium Schedule

September 25 (Sun) Registration; Welcome Party
September 26 (Mon) Full-day sessions; Free time
September 27 (Tue) Full-day sessions; Banquet
September 28 (Wed) Tour; Farewell Party

PROGRAMME / COMMITTEES

SCIENTIFIC TOPICS

Multiscale multiphase process engineering involving bubble, drop and particle dispersion systems related to

- » Fundamentals including hydrodynamics and mass and heat transfer properties,
- » Advanced measurement and experimental techniques,
- » Computational fluid dynamics (CFD) and simulation,
- » Micro- and nano-dispersion systems, microreactors and nanotechnology,
- » Multiphase reaction, catalytic reaction engineering and bioreactors,
- » Multiphase flow aspects of bubble columns, extraction columns, loop reactors, fluidized beds
- » Applications including innovative reactor design, novel reactor configurations and advanced energy and environmental systems etc.
- » Bubble-particle three-phase flow
- » Fine bubbles

ORGANISING COMMITTEE

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SCIENTIFIC COMMITTEE

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