

## IMPORTANT DATES

<b>23 March 2020</b>	Deadline Abstract submission
<b>04 May 2020</b>	Notification of abstract acceptance
<b>15 June 2020</b>	Deadline of full-length manuscripts submission
<b>15 June 2020</b>	Deadline Early Bird registration
<b>30 June 2020</b>	Deadline for "Hotel Reservation"
<b>18 August 2020</b>	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 multi-farious places in the world.

**H4 Hotel Berlin Alexanderplatz**

Karl-Liebknecht-Str. 32  
10178 Berlin  
Germany

REGISTRATION FEES<sup>1)</sup>

	EARLY until 15 June 2020	REGULAR after 15 June 2020
Industry	689 €	789 €
University/Agency	489 €	589 €
PhD Student, Student, Pensioner, Accompanying Person <sup>2)</sup>	240 €	340 €

- 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 **23 March 2020**:

<http://processnet.org/mmpe2020>

## ORGANISER AND CONTACT

**DECHEMA e.V.**

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## CALL FOR PAPERS

30 August – 02 September 2020  
Berlin · Germany

## 4<sup>th</sup> International Symposium on Multiscale Multiphase Process Engineering (MMPE)

<http://processnet.org/mmpe2020>



## INVITATION / PROGRAMME

It is our great pleasure to host the 4th international symposium on Multiscale Multiphase Process Engineering (MMPE) in Berlin, Germany on August 30 - September 02 2020, in continuation of the successful and inspiring symposia that were held in Kanazawa (1<sup>st</sup>, 2011), Hamburg (2<sup>nd</sup>, 2014) and Toyama (3<sup>rd</sup>, 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

30 August (Sun) Registration; Welcome Party  
31 August (Mon) Full-day sessions; Free time  
01 September (Tue) Full-day sessions; Banquet  
02 September (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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