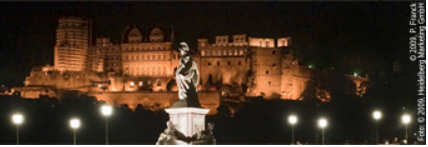




ICLASS 2012

September 2-6, 2012  
Heidelberg, Germany



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## 12<sup>th</sup> ICLASS – 2<sup>nd</sup> and Final Call for Papers

### International Conference on Liquid Atomization and Spray Systems



Heidelberg, Germany  
Sunday, September 2 – Thursday, September 6, 2012

#### About the Conference

ICLASS 2012 is the 12<sup>th</sup> International Conference on Liquid Atomization and Spray Systems. ICLASS International is the umbrella organization for the European, American and Asian regional sections. Every three years the entire international community convenes to share information, experience and technical advances. ICLASS 2012 will continue this tradition by providing a venue for industrial and academic researchers, students and vendors to engage in the scientific development and practice of atomization and spray systems to meet and share recent developments in the field.

We would like to invite you to ICLASS 2012, an environment that promotes international communication and collaboration, enables the highest quality technical program and inspires you in the heart of Heidelberg's Old Town.

#### Invited Speakers:

- Prof. Masataka Arai, Gunma University, Japan. Title: Physics Behind Diesel Sprays
- Dr. Thomas Dörr, Rolls-Royce Deutschland Ltd. & Co KG. Title: The Significance of Fuel Preparation for Low Emissions Aero-Engine Combustion Technology
- Prof. Marcus Herrmann, Arizona State University, USA. Title: On Using Detailed Simulations to Study Primary Atomization

**Topics:** All aspects of atomization and spray processes will be covered, including, but not limited to:

- Measurement instrumentation and diagnostic equipment development related to sprays for drop size, drop velocity and impact, drop concentration, patterning, film thickness, vapor concentration, etc.
- Computational modeling, fundamental analysis and simulation of flow phenomena inside and outside of atomizers
- Experimental design, operation, and performance of liquid (and metal) atomizers and spray systems
- Application areas
  - Rockets, turbines, and all other combustion engines
  - Spray systems as they relate to advanced energy conversion devices and processes
  - Food processing, agricultural and environmental (including reactors, spray dryers, humidifiers, coatings, etc.)
  - Medical, therapeutic and biological sprays
  - Liquid and powder metallurgy
  - Fire suppression, security and safety

#### Events:

- Technical sessions (oral and poster presentations) at which state-of-the-art research and methods are presented

- Poster sessions for late-breaking technical innovations
- Technical tutorial sessions on topics of broad interest to the spray community
- Manufacturers' exhibits showing the latest instrumentation, hardware and computational software in the field

## Banquet:

### Tuesday September 4<sup>th</sup> – Heidelberg Castle

The banquet will be held in the Kings' Hall of Heidelberg Castle. Heidelberg Castle can be reached using the ancient Heidelberg Funicular Railway starting in the Old Town. The conference dinner will be held after a sightseeing tour of Heidelberg Castle.

## Hotel | Venue

ICLASS 2012 sessions will be held in the Old Town of Heidelberg. Various hotels can be booked online through Heidelberg Marketing, and reservations must be made directly by the participants. There are blocked rooms at discounted rates. Please check dates and rates as well as cancellation policies of the hotels at [www.iclass2012.org](http://www.iclass2012.org).

## Call for Papers

Prospective authors are encouraged to submit an approximately 500 word abstract that contains information on objectives, methods, results and conclusions by January 6<sup>th</sup>, 2012. These abstracts will be screened to ensure match of content to the program. Additional information on format and submission procedure can be found at [www.iclass2012.org](http://www.iclass2012.org).

Full 8-page manuscripts (less than 10 MB) will be due in the prescribed PDF format, see [www.iclass2012.org](http://www.iclass2012.org), by April 1<sup>st</sup>, 2012. Papers will be reviewed to determine eligibility for oral or poster presentation as well as potential inclusion in a special edition of the journal *Atomization and Sprays*. Paper reviews and acceptance notification to the authors will be provided on or near June 1<sup>st</sup>, 2012, with revised ready-to-print manuscripts from the authors due by July 15<sup>th</sup>, 2012. Additional information on format and submission procedure can be found at [www.iclass2012.org](http://www.iclass2012.org).

The above deadlines will be followed rigidly to facilitate visa acquisition for international travelers receiving acceptance, and to allow all authors to make attendance decisions well in advance of the early registration deadline. We understand that many research groups have late-breaking advancements they wish to share with the community; thus we will accept 1-page abstracts for the late-breaking poster session until July 1<sup>st</sup>, 2012. Additional information on format and submission procedure can be found at [www.iclass2012.org](http://www.iclass2012.org).

Authors should also be aware that their submissions and presentations will be evaluated for the Tanasawa Award.

**Tanasawa Award:** This ICLASS specific award is managed by ICLASS-International based on regional input. The award is for the best paper presented at the ICLASS conference.

**Lefebvre Award:** This ICLASS specific award is managed by ICLASS-Europe based on regional input. The award is bestowed upon a scientist who distinguishes himself in the continuation and encouragement of contributions to the field of atomization and sprays.

## Contact Us

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