

Numerical and Experimental Studies in Gas-Liquid Reactors - can we get SMART?

30rd January 2024 14:00 – 17:00
German – French Webinar

Gas-liquid reactors are key-processes in many industrial areas like chemical production, metal working, food industry, water treatment..., as well as many others. The German and French scientific community involved in that field are eager to discuss and exchange ideas, through events similar to the two symposiums organised in Toulouse (2016) and Hamburg (2018) with focus on reactive bubbly flows.

The SMART reactors research center (Germany) and the FERMaT federation (Toulouse) organise a **1-afternoon webinar dedicated to the recent scientific developments in the field of “SMART” reactors, as Sustainable, Multipurpose, Artificial intelligent, Resilient and Transferable devices.**

This event will be the opportunity to discuss the current challenges and opportunities: what are the latest experimental and numerical techniques and tools that will help innovation, design and operation?

This event is intended to promote contacts and collaborations between the two countries.

Video link

<https://www...>
URL to be provided soon

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<https://www.federation-fermat.fr/>



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14:00 – 14:30 Welcome to the Webinar (Anne-Marie Billet & Michael Schlüter)
Introduction into the CRC SMART Reactors (Michael Schlüter)
Introduction into smart FERMaT activities (Anne-Marie Billet)

14:30 – 15:20 Topic n°1

14:30 *Presentation n°1 TUHH*
XXX

14:50 *Presentation n°1 FERMaT*
XXX

15:10 *Presentation n°2 TUHH*
XXX

15:20 – 15:40 *Coffee break*

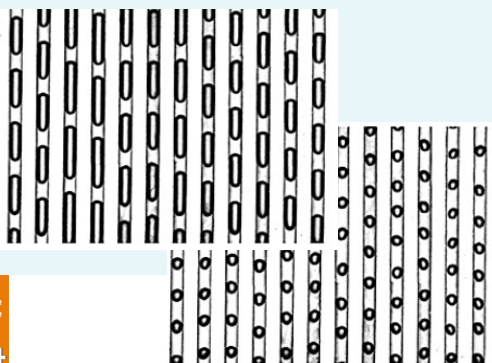
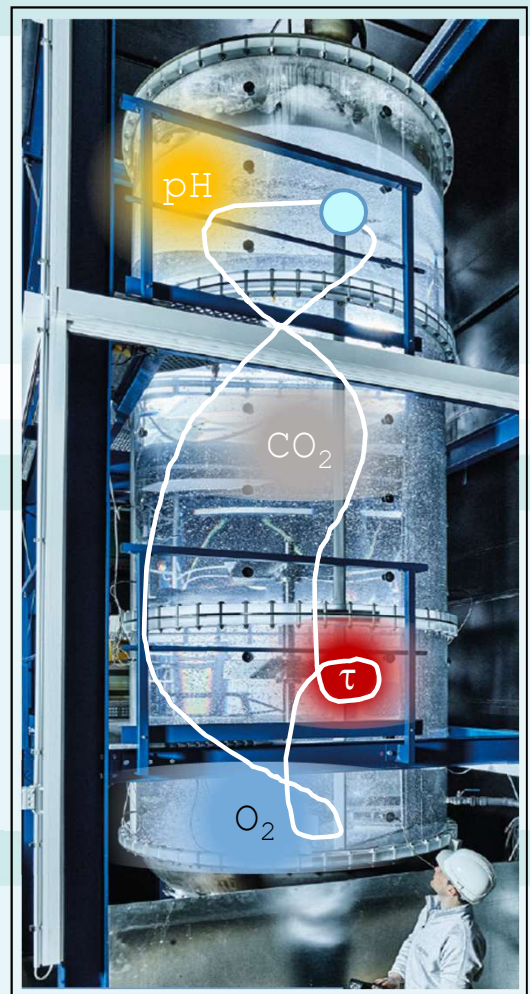
15:40 – 16:20 Topic n°2

15:40 *Presentation n°2 FERMaT*
XXX

16:00 *Presentation n°3 TUHH*
XXX

16:20 *Presentation n°3 FERMaT*
XXX

16:40 **Conclusion and perspectives**



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