This workshop is primarily intended to provide an opportunity for researchers and practitioners from Industry and Academia to gather and share their knowledge regarding sealing systems for sustainable applications such as wind turbines, hydrogen, sealing, CO2 sealing or electric vehicles.

The conferences shall offer to the participants the opportunity to study the latest contributions on this subject and to identify the problems met by industrials by favouring a common approach. This event is organized by the Mechanical Engineering and Complex Systems Department of the Pprime Institute (UPR 3346, CNRS-Université de Poitiers-ISAE-ENSMA). Furthermore, the workshop is organized under the auspices of the French section of the ASME and of AFM.

**MAIN TOPICS**

- Green solutions for dynamic seals
- Seals for hydrogen and carbon dioxide
- Seals for EV, wind turbines and tidal turbines
- Lifetime prediction of seals
- Lubrication systems for seals
- Leakage reduction
- Friction reduction
- New materials and green materials
- Surface texturing and coating
- Mechanical seals, elastomeric seals, non-contacting seals, static seals
- Modelling and experiments
- Condition monitoring, ...

**KEYNOTE SPEAKER**

PROF. JOICHI SUGIMURA
Professor in machine design
Kyushu University, JAPAN

**ORGANISING COMMITTEE**

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L. ARTUS - Secretary
A. BLOUIN - Associate Professor
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N. BRUNETIÈRE - CNRS Senior Scientist - Chairman
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P. JOLLY - Research Engineer
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D. SOUCHET - Professor

**KEYNOTE DATES**

MAY 30, 2020  ABSTRACT SUBMISSION
JUNE 10, 2020  NOTIFICATION OF ACCEPTANCE
JULY 10, 2020  PAPER SUBMISSION (8 TO 12 PAGES MAXI.)
JULY 20, 2020  DEADLINE FOR EARLY BIRD REGISTRATION
SEPTEMBER 20, 2020  DEADLINE FOR REGISTRATION

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**ABSTRACTS AND PAPERS TO BE SUBMITTED ON THE WORKSHOP WEB SITE:**

HTTPS://TRIBOPPRIME2020.SCIENCESCONF.ORG/