



IN PARTNERSHIP WITH



TRIBO - PPRIME 21st Workshop

OCTOBER 6, 2022 - ANGOULÊME

SEALING CHALLENGES IN HIGH SPEED APPLICATIONS



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 high-speed applications such as turbomachinery, aircraft engines 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-ISAÉ-ENSMA) in collaboration with the Technical Centre for Mechanical Industries (CETIM). Furthermore, the workshop is organized under the auspices of the French section of the ASME and of AFM.

MAIN TOPICS

- Seals for turbomachinery
- Seals for EV, aircraft engines
- Lifetime prediction of seals
- Lubrication systems for seals
- Leakage reduction
- Friction reduction
- New materials for high sliding speed
- Surface texturing and coating
- Mechanical seals, elastomeric seals, non-contacting seals
- Modelling and experiments
- Condition monitoring, ...

KEYNOTE SPEAKER

DR. LUIS SAN ANDRÉS

Professor, Mechanical Engineering
Mast-Childs Chair Professor
TEXAS A&M UNIVERSITY, USA

ORGANISING COMMITTEE

PPRIME

- L. ARTUS - Secretary
- A. BLOUIN - Associate Professor
- J. BOUYER - Associate Professor - Vice Chair
- N. BRUNETIÈRE - CNRS Senior Scientist
- A. FATU - Professor - Chairman
- Y. HENRY - Associate Professor

CETIM

- L. AMAMI - Research Engineer
- D. FRIBOURG - Scientific and Technical Manager

SCIENTIFIC COMMITTEE

PPRIME

- M. ARGHIR - Professor
- O. BONNEAU - Professor
- J. BOUYER - Associate Professor
- N. BRUNETIÈRE - CNRS Senior Scientist
- A. FATU - Professor - Chairman of the scientific committee
- Y. HENRY - Associate Professor
- M. JARRAY - Associate Professor
- J. LE ROUZIC - Associate Professor
- D. SOUCHET - Professor

CETIM

- L. AMAMI - Research Engineer
- A. MAOUI - Research Engineer
- F. LEFEBVRE - Scientific Advisor

KEYNOTE DATES

- | | |
|---------------------------|--|
| MAY 22, 2022 | ABSTRACT SUBMISSION |
| JUNE 3, 2022 | NOTIFICATION OF ACCEPTANCE |
| JULY 25, 2022 | PAPER SUBMISSION (8 TO 12 PAGES MAXI.) |
| JULY 20, 2022 | DEADLINE FOR EARLY BIRD REGISTRATION |
| SEPTEMBER 20, 2022 | DEADLINE FOR REGISTRATION |

CONTACTS

A. FATU : +33 5 45 25 19 79

L. ARTUS : +33 5 49 49 65 01

tribopprime2022@sciencesconf.org



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

[HTTPS://TRIBOPPRIME2022.SCIENCESCONF.ORG/](https://tribopprime2022.sciencesconf.org/)