

# First Announcement

## Workshop on In Situ Exploration of the Ice Giants

Laboratoire d'Astrophysique de Marseille

February 25-27, 2019

<https://icegiants2018.sciencesconf.org>

Abstract submission deadline: **December 31, 2018**

Maximum number of participants: **90**

We are pleased to announce a workshop to address scientific and technological topics relevant to the in situ exploration of ice giant atmospheres, including scientific questions, how to achieve them, and technological challenges. In the spirit of the Cassini-Huygens mission legacy, the workshop will also focus on potential mission concepts and international cooperation, with an emphasis on probe studies of the ice giants in the framework of future NASA-ESA collaborations.

The Workshop on In Situ Exploration of the Ice Giants will take place at Laboratoire d'Astrophysique de Marseille (<https://www.lam.fr/>) in a three-day science program comprising themed sessions, and featuring a mixture of invited reviews, invited and contributed talks, and posters. The workshop will cover topics ranging from the link between the formation conditions of the ice giant planets and atmospheric composition, measurement techniques, instrumentation, and technologies, and mission concepts. Invited speakers will include international experts in the origin, formation, and evolution of giant planets, giant planet atmospheres, instrumentation for in situ measurements of atmospheres, entry and descent probes and their technologies, future technology needs and development, and what the ice giants can tell us about exoplanetary systems.

Abstract submissions for posters and for talks are encouraged, although the number of talks available is limited in order to keep the workshop to three days. All contributions should be related to science, measurements, or technologies for in situ exploration of the ice giants. **Please register early, as space is limited to no more than 90 participants!** The possibility of publishing workshop papers in a peer review journal is being explored.

**A final announcement with additional details regarding registration and logistics will be released in October/November, 2018.**

### Program Organizing Committee:

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