



JOIN the IEEE Signal Processing Cup 2019: *Search & Rescue with Drone-Embedded Sound Source Localization*



The IEEE Signal Processing Society is proud to announce the sixth edition of the Signal Processing Cup: an exciting audio-based drone-embedded search and rescue challenge.

- **Goal:** Building a system capable of localizing a sound source based on audio recordings made with an 8-channel microphone array embedded in an unmanned aerial vehicle (UAV)
- **Eligibility:** Any team composed of one faculty member, at most one graduate student and 3-10 undergraduate students is welcomed to join the open competition
- **Dataset:** A novel dataset of UAV-embedded microphone-array recordings is provided for the challenge
- **Website:** The detailed guidelines, dataset and inscription portal are available on the official website: <https://signalprocessingsociety.org/get-involved/signal-processing-cup>
- **Prize:** The three teams with highest performance in the open competition will be selected as finalists and will be invited to participate in the final competition at ICASSP 2019. The champion team will receive a grand prize of \$5,000. The first and the second runner-up will receive a prize of \$2,500 and \$1,500, respectively, in addition to travel grants and complimentary conference registrations.

A joint initiative of

The IEEE Technical Committee for
Audio and Acoustic Signal Processing

The IEEE Autonomous System
Initiative

Important dates:

Data release: November 14, 2018
Submission deadline: February 28, 2019
Finalists announcement: March 20, 2019
Final @ICASSP: May 12-17, 2019

