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Flash Talk Presentation

## Proposition of a New Ground-based Observation Network of Infrasound for Tsunami Disaster Mitigation

Masa-yuki Yamamoto

Sun. Nov 10, 2019 1:05 PM - 1:20 PM Flash Talk Presentation 2 (Meeting Room 7)

Kochi University of Technology

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1:05 PM - 1:20 PM

### [MP1-02] Proposition of a New Ground-based Observation Network of Infrasound for Tsunami Disaster Mitigation

Masa-yuki Yamamoto (Kochi University of Technology)

In order to mitigate tsunami disaster, we propose a new ground-based observation network of infrasound, human inaudible low-frequency sound, in the seashore region of marine nations. We have developed infrasound sensors with applying our own technologies and verified them with deploying a dense IoT sensor network in Kochi, Japan. Infrasound has an advantage of remote-sensing for many kinds of geophysical phenomena not only tsunami but also earthquake, typhoon, heavy rain, thunder, landslide, etc. Recent activities at Infrasound research laboratory, Kochi University of Technology will be introduced so as to expand our ideas to maritime regions in near future.