



Contribution ID: 34

Type: **not specified**

## **DISTURB: real-time solar radio burst detector**

*Monday 30 May 2022 14:35 (15 minutes)*

ASTRON and S&T corporation are developing a detector of extreme solar radio bursts (SRBs). The aim is to provide real-time alerts and radio spectra from 3-3000MHz to KNMI and the Dutch military, so they can warn the Dutch vital economic sectors, as well as radio and radar operators of current radio interference due to the Sun. 70% of the first two phases of instrument development has been funded by the Dutch military. We'll present our design, plans for the future, as well as data recorded with the current state of our end-to-end demonstrator. Over the next 5 years we hope to create a global system with 24/7 monitoring of the Sun. Once operational, data and detections will be made available to the global scientific community no later than 30 minutes after they are recorded.

**Presenter:** BRENTJENS, Michiel (ASTRON)

**Session Classification:** Parallel session