

R010-18

Zoom meeting C : 11/4 AM2 (10:45-12:30)

11:00~11:15

HF-START web tool: A web interface for HF radio wave users

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Communication and positioning technologies play an essential role in social ICT infrastructure today. The "ionosphere" fluctuates greatly every day due to solar activity and the space environment and greatly influences radio wave propagation. Radio waves in the HF band have long been used in communications and broadcasting, but they are still widely used in shortwave broadcasting, aircraft communications, and amateur radio. Communication environments such as shortwave band communication range and available frequencies change dramatically due to ionospheric fluctuations. Therefore, shortwave broadcasting, aircraft communications, and amateur radio operations are affected by ionospheric fluctuations. In this talk, we will introduce the HF-START web tool, a web system that provides information on how radio wave propagation changes with realistic ionospheric conditions.

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