

SPECIAL NOTICE DARPA-SN-22-49

Ouija Technical Area 2 (TA-2) Proposers Day

EVENT DATE: 3 August 2022

EVENT LOCATION: 675 N. Randolph Street, Arlington, VA 22203

REGISTRATION DEADLINE: 29 July 2022, 3:00 PM (EDT) or when capacity is reached

REGISTRATION Email: DARPA-SN-22-49@darpa.mil

TECHNICAL POC: Dr. Jeffrey Rogers, STO Program Manager

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PROPOSERS DAY:

DARPA will host a Proposers Day in support of HR001122S0028, Ouija program TA-2, on **August 3, 2022 at the DARPA Conference Center (DCC)** (675 N Randolph St, Arlington, VA 22203) from **8:00AM to 5:00PM (EDT)**. The purpose of this conference is to provide information on Ouija TA-2, promote additional discussion on this topic, and address questions from potential proposers.

PROGRAM OBJECTIVE AND DESCRIPTION: The objective of the Ouija program is to quantify the High Frequency (HF) noise environment in space and improve the characterization of the ionosphere in support of warfighter capabilities. Ionospheric measurement campaigns typically rely on ground-based instrumentation to characterize conditions in the ionosphere. Ouija will augment these ground-based measurements with in-situ measurements from space to develop and validate accurate near real-time HF propagation predictions.

One goal of Ouija Technical Area 2 (TA-2) is to develop near real-time assimilative ionospheric models capable of modeling ionospheric disturbances at scales of 100 kilometers and below. These models must assimilate ionospheric measurements taken with the scientific instrumentation packages to be flown on the Ouija TA-1 CubeSats in Very Low Earth Orbit (VLEO), in addition to standard vertical and oblique sounder data. The scientific instrumentation on the Ouija spacecraft will include Langmuir probes and similar devices to measure electron density and other quantities of interest. The objective is to predict the characteristics of the ionosphere at unprecedented resolution and fidelity in near real-time.

The second goal is to develop HF propagation models capable of high-fidelity prediction of ground-to-VLEO propagation. The propagation models will be validated using on-orbit measurements taken from the Ouija spacecraft HF payload, which will receive test signals from cooperative terrestrial transmitters.

REGISTRATION INFORMATION: DARPA hosts Proposers Days to promote teaming arrangements between researchers; provide potential performers with information on whether and how they might respond to the Government's research and development solicitations; and to increase efficiency in proposal preparation and evaluation. Therefore, the Proposers Day is open only to registered potential proposers.

Participants must register NLT 3:00PM (EDT) **July 29, 2022**, by emailing DARPA-SN-22-49@darpa.mil, and provide the following information: Attendees' first and last name, Attendees' company, Attendees' email address, Attendees' phone number, and Attendees' citizenship. There is no registration fee for attending this conference.

Visitors to the DARPA Conference Center (DCC) facility for the Proposers Day must adhere to the DARPA Visitor COVID-19 Policy. This policy is subject to change, and should therefore be monitored for updates. The latest version is published at <https://www.darpa.mil/policy/visitor-information>. This will be sent via email upon registration.

Due to space limitations of the conference facility, organizations may only send one technical and one security representative. Due to COVID restrictions, attendance will be limited to the first 45 registrants. The Proposers Day event will be conducted at the collateral SECRET classification level, and this event is open only to U.S. citizens possessing a U.S. Department of Defense SECRET clearance or higher. All attendees will be required to present Government-issued photo identification upon entry to the event. Attendees are required to pass their visit requests to DARPA via DISS using the SMO Code DDAAUS4 no later than July 29, 2022, 3:00 PM (EDT). Visit requests can also be faxed to DARPA at 703-528-3655 or sent via encrypted email to: VWC@DARPA.mil. The following information should be provided when you pass your visit request: Purpose of Visit: DARPA Ouija TA 2 Proposers Day.

If you have any questions, please email the Special Notice Mailbox at DARPA-SN-22-49@darpa.mil. Please refer to the Proposers Day Special Notice number (DARPA-SN-22-49) in all correspondence. This announcement is not a request for proposals, any so sent will be disregarded.

DISCLAIMERS AND IMPORTANT NOTES: This Special Notice is issued solely for information and potential new program planning purposes; the notice does not constitute a formal solicitation for proposals or proposal abstracts. In accordance with FAR 15.201(e), responses to this notice are not offers and cannot be accepted by the Government to form a binding contract. Attendance is voluntary and is not required to propose to subsequent Broad Agency Announcements (if any) or research solicitations (if any) on this topic. DARPA will not provide reimbursement for costs incurred in responding to this Special Notice. Respondents are advised that DARPA is under no obligation to acknowledge receipt of any information received, or provide feedback to respondents with respect to any information submitted under this special notice.

NO CLASSIFIED INFORMATION SHOULD BE INCLUDED IN ANY RESPONSE TO THIS SPECIAL NOTICE.