

Special Notice (SN) DARPA-SN-18-09
Nascent Light-Matter Interactions (NLM)
Proposers Day
November 28, 2017

The Defense Advanced Research Projects Agency (DARPA) Defense Sciences Office (DSO) is sponsoring a Proposers Day webcast to provide information to potential proposers on the objectives of an anticipated Broad Agency Announcement (BAA) for the Nascent Light-Matter Interactions (NLM) program. The Proposers Day will be held via prerecorded webcast on November 28, 2017 from 1:00 PM to 2:00 PM. Advance registration is required for viewing the webcast. Note, all times listed in this announcement and on the registration website are Eastern Time.

The goals of the NLM Proposers Day are to: (a) introduce the research community (Proposers, Academia, and Government) to the NLM program vision and goals; (b) explain the mechanics of a DARPA program and the milestones of this particular effort, and (c) encourage and promote teaming arrangements among potential organizations that have the relevant expertise, facilities, and capabilities for executing a research and development program responsive to the NLM program goals. Following the event, DARPA may post the presented materials as well as a Frequently Asked Questions (FAQ) list to the DARPA/DSO Opportunities website.

To maximize the pool of innovative proposal concepts, DARPA strongly encourages participation by non-traditional proposers (including small businesses, academic and research institutions, and first-time Government contractors) in events such as this and any subsequent solicitations.

DARPA anticipates releasing the NLM BAA in late-November 2017. If released, the BAA will be available on the Federal Business Opportunities website at <https://www.fbo.gov> and on <http://www.grants.gov/>.

PROGRAM OBJECTIVE AND DESCRIPTION

DARPA seeks to develop new and systematic approaches to the design of engineered structures and materials that change how we manipulate electromagnetic waves and capitalize on nascent wave-matter interactions. Proposed research should investigate innovative approaches that enable revolutionary advances in science, devices, or systems.

The goal of NLM is to bring together and integrate new concepts into models that can both describe and predict functionality. These models will provide design tools and inform us of new engineered-material performance limits. Successful proposals will address two key elements: i) theoretical modeling/simulation of new mechanisms of light-matter interactions, and ii) identification of key/elemental structures as building blocks for modeling and predicting performance limits. Performers are expected to experimentally verify predicted parameters and validate their design tools by demonstrating new techniques for the control of light-matter interactions.

TEAMING

DARPA highly encourages teaming before proposal submission and will facilitate the formation of teams with the necessary expertise. Potential proposers may choose to be included on the (optional) Proposer Profile List by submitting a one-page profile consisting of their contact information (name, organization, email, telephone number, mailing address and, if applicable, organization website); a brief description of their technical competencies; and, if applicable, their desired expertise from other teams/organizations.

All profiles must be emailed to NLM@darpa.mil no later than 4:00 PM on November 30, 2017. Following the deadline, the consolidated teaming profiles will be sent via email to the proposers who submitted a valid profile. Specific content, communications, networking, and team formation are the sole responsibility of the participants. Neither DARPA nor the DoD endorses the information and organizations contained in the consolidated teaming profile document, nor does DARPA or the DoD exercise any responsibility for improper dissemination of the teaming profiles.

REGISTRATION INFORMATION

The NLM Proposers Day will be webcast on November 28, 2017 from 1:00 PM to 2:00 PM. Note, all times listed in this announcement and on the registration website are Eastern Time. There is no registration fee for the Proposers Day webcast.

Registration opens: As of publication of this announcement.

Registration website: <http://www.cvent.com/d/ntqpgz>

Registration closes: November 27, 2017 at 12:00 PM or when capacity is reached, whichever comes first.

Advance registration via the above website is required in order to receive access to the webcast and is mandatory for every individual intending to view the webcast either alone or as part of a group.

Registrants in excess of the maximum capacity limitations (500 individuals) may be added to a waitlist. Individuals who are unable to register because the deadline has occurred may request to be added to the waitlist. If slots become available due to cancellations, the slots may be filled on a first come, first served basis from the waitlist.

ELIGIBILITY

DARPA hosts Proposers Days to (1) promote teaming arrangements between researchers; (2) provide potential proposers with information on whether and how they might respond to the Government's research and development solicitations; and to (3) increase efficiency in proposal preparation and evaluation. Therefore, Proposers Days are only open to registered potential proposers, i.e., the events are closed to the general public and media. For this particular program, Proposers Day registration is open to potential proposers who are U.S. Citizens, U.S. Permanent Residents, and Foreign Nationals.

Q & A

Administrative, technical, and contractual questions about the NLM program should be

emailed to NLM@darpa.mil. All questions must be in English and must include the name and email address of a point of contact. Following the Proposers Day, DARPA will post an FAQ list to the DARPA/DSO Opportunities website.

CONTACT INFORMATION

Please refer to the NLM Proposers Day in all correspondence.

- Technical Point of Contact: Dr. Michael Fiddy, Program Manager, NLM@darpa.mil
- Registration Website: <http://www.cvent.com/d/ntqpzg>
- DARPA/DSO Opportunities Website: <http://www.darpa.mil/work-with-us/opportunities?tFilter=&oFilter=2&sort=name>

DISCLAIMERS AND IMPORTANT NOTES

Viewing the NLM Proposers Day webcast is voluntary and is not required to propose to the anticipated NLM BAA. Interested parties to this notice are cautioned that nothing herein obligates the Government to issue a solicitation. The Proposers Day does not constitute a formal solicitation for proposals or abstracts. This announcement is issued solely for information and program planning purposes and is not a Request for Information (RFI). Since this is not an RFI, no submissions against this notice will be accepted by the Government. No classified, ITAR controlled, or proprietary information shall be included in submitted materials or shall be presented or discussed at the Proposers Day. DARPA will not provide reimbursement for costs incurred to participate in this Proposers Day. Recording the Proposers Day webcast is not permitted.