

Project Updates on NSF-funded National Radio Dynamic Zone (NRDZ) Investigations

Overview

NSF published a supplemental funding opportunity in 2020 ([Dear Colleague Letter 20-079](#)) to explore the feasibility of National Radio Dynamic Zones. In two webinars, PIs supported under this opportunity will give updates on NRDZ project results to date and on their vision for NRDZ. Advance registration is required. Each webinar includes a series of 40-minute talks.

March 16, 2022 1:00 PM to 4:30 PM Eastern Time (US and Canada)

Project updates: NRDZ advanced wireless investigations

Register in advance for this webinar ([registration link](#))

March 23, 2022 2:00 PM to 5:00 PM Eastern Time (US and Canada)

Project updates: National Radio Dynamic Zones (NRDZ) radio astronomy investigations

Register in advance for this webinar ([registration link](#))

Contacts

Registration, connection problems or tech issues: Tamim Wessal, twessal@associates.nsf.gov

Cognizant NSF program officer: John Chapin, jchapin@nsf.gov

Logistics

- Attendees will be muted until unmuted by the host
- To ask questions, use the Raise Hand feature or type a question into the Q&A box
- The webinars will be recorded for internal NSF use
- TBD if recordings can be publicly posted – will announce at start of webinar
- Presenter slides will be distributed to registered attendees after the webinars if permission is granted by the authors

Agendas (Eastern Time zone)

March 16, 2022 – Advanced Wireless Investigations

1:00 pm		Webinar begins
1:05 pm	John Chapin, National Science Foundation	Program Officer introduction
1:15 pm	Kobus Van Der Merwe, University of Utah Neal Patwari, University of Utah	Using the POWDER Platform to Explore the Feasibility of NRDZs
1:55 pm	Ismail Guvenc, North Carolina State University	AERPAW (Aerial Experimentation and Research Platform for Advanced Wireless) NRDZ Project
2:35 pm		Break
2:50 pm	Tommaso Melodia, Northeastern University	Colosseum NRDZ: A Large-Scale Emulation Platform to Shape Future National Radio Dynamic Zones
3:30 pm	Josep Miquel Jornet, Northeastern University	A NRDZ to Support 6G Systems above 100 GHz
4:10 pm	John Chapin, National Science Foundation	Closing remarks
4:15 pm		Extra time in case of delays
4:30 pm		Webinar ends

March 23, 2022 – Radio Astronomy Investigations

2:00 pm		Webinar begins
2:05 pm	John Chapin, National Science Foundation	Program Officer introduction
2:15 pm	Kevin Gifford, University of Colorado David DeBoer, University of California, Berkeley Andrew Clegg, Google	Hat Creek Radio Observatory National Radio Dynamic Zone Prototype
2:55 pm	Gregg Hallinan, California Institute of Technology Greg Hellbourg, California Institute of Technology	Owens Valley Radio Observatory NRDZ Grant
3:35 pm		Break
3:50 pm	Chris De Pree, National Radio Astronomy Observatory	National Radio Dynamic Zones: Feasibility, Metrology & Education
4:30 pm	John Chapin, National Science Foundation	Closing remarks
4:45 pm		Extra time in case of delays
5:00 pm		Webinar ends