

# National Radio Science Meeting

◆ January 4-9, 2021

**Women In Radio Science Speaker, January 6, 2021**

## *Taking the Leap and the (RF) Path Less Traveled*

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**Abstract:** An obsession with magnets at a young age led Dr. Midzor to pursue a life in physics and new RF measurement techniques. Her career has spanned developing a new RF microscopy method for nanotechnology, overcoming challenges in electronic warfare protection against adversaries' radars and Improvised Explosive Devices (IEDs), and improving compatibility between Federal and Commercial wireless systems. Melissa will be discussing highlights from these projects, and how her approach of taking career leaps, planning, and pursuing her passions led to unique science and career opportunities.



**Biography:** Melissa Midzor leads a multi-agency group, hosted at NIST, focusing on wireless communication spectrum sharing between commercial and federal systems. Prior to NIST, Dr. Midzor supported the Navy for 15 years in Electronic Warfare (EW) and Spectrum compatibility across the joint services. She served as Director for EW Integrated Laboratories at NAWCWD, and at the OSD Electronic Warfare and Countermeasures Office, developing EW Threat environments and tools to evaluate current and future RF technologies. She was appointed the first Senior Scientific Technology Manager (SSTM) of S&T EW at NAVAIR. Melissa received her PhD in Physics from Caltech in nanotechnology and imaging, and also holds BA's in Physics and Sociology from the University of Colorado-Boulder.