

Radar Testing Directory

Webinars	URL	Description
Automating Test and Evaluation of EW and Radar Systems	http://www.mwrf.com/webcasts/automating-test-and-evaluation-ew-and-radar-systems	This webinar discusses the automation process of Electronic Warfare (EW) and radar system design and the benefits of automation. It gives insight into how automation can be implemented most effectively.
Radar System Design and Analysis with MATLAB	https://fr.mathworks.com/videos/radar-system-design-and-analysis-with-matlab-81917.html	This webinar shows techniques to designing and analyzing radar systems using MATLAB software.
Tutorials		
How to test modern radars	https://www.edn.com/design/test-and-measurement/4402377/How-to-test-modern-radars	This tutorial looks at pulse measurements of radar systems using a typical spectrum analyzer with a traditional swept-tuned architecture then discusses some of the advances in radar waveforms.
Design, System Integration and Testing of Radar Systems	http://www.ni.com/tutorial/51928/en/	This tutorial discusses some of the fundamental research and development challenges in both the digital and RF/millimeter radar wave domains and addresses current and future directions in design, system integration and testing.
Government Documents		
Recommendations for Testing Radar-Based Collision Warning Systems on Heavy Equipment	https://www.cdc.gov/niosh/mining/userfiles/works/pdfs/ri9657.pdf	This document was produced by the CDC to provide recommendations to various industries for testing protocols for radar-based collision warning systems on mining equipment.
White Papers		
Smart repeater for radar testing	http://ieeexplore.ieee.org/document/713506/	This paper discusses end-to-end testing of radar systems using smart repeaters that were developed for the COBRA system.
Digitally-controlled calibrator for measurement and testing of CW doppler radars	http://ieeexplore.ieee.org/document/6686899/	This paper describes the design and testing of a digitally-controlled calibrator for CW doppler radar testing.
A new approach for testing autonomous and fully adaptive radars	http://ieeexplore.ieee.org/document/7944382/	This paper discusses and presents the results of a new method for testing Cognitive Fully Adaptive Radar (CoFAR) systems in a "virtual test range" using high-fidelity simulated data.
The design and development of a FM band passive radar test-bed for long term qualification testing	http://ieeexplore.ieee.org/document/7944447/	This paper discusses the development of a multi-static passive radar test-bed to determine the detection and tracking performance of air-targets. It emphasizes air traffic monitoring.
Trade Magazines & Websites		
EDN Network	http://www.edn.com/	Online tech community for engineers. It discusses radar news.
satnews	http://satnews.com/	Directory of satellite news & magazines. It discusses radar news.
everythingRF	https://www.everythingrf.com	RF industry directory & news site. It discusses radar news.
Microwave Journal	http://www.microwavejournal.com/	Online journal about advances in the microwave tech industry. It discusses radar news.
Microwave Engineering Europe (MWEE)	http://www.mwee.com/	Tech news website and magazine. It discusses radar news.