



Test with Confidence™

Short Course

Near-Field & Compact Antenna Test Range Measurements

September 25–27, 2018

NSI-MI Technologies
1125 Satellite Blvd., Suite 100
Suwanee, GA 30024

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COURSE DESCRIPTION

This course will cover the theoretical and practical aspects of Near-Field, Far-Field and Compact Range antenna measurement testing. The presenters of this course have been specifically selected to provide a wide expertise base covering theory, application, software and instrumentation aspects of near-field and compact range antenna testing. The intended audience is engineers and technicians using and operating NSI-MI Antenna Measurement Test Systems. The course will contain a combination of theoretical and application based presentations and include live demonstrations using NSI-MI's Testing Facilities, utilizing a full suite of MI-3000 Arena software.

This three—day intensive course will provide an introduction to all aspects of antenna measurement including an introduction to antennas, near-field and far-field antenna measurements, compact ranges, scattering measurements and radome testing. There will also be a discussion regarding most recent software developments in post-processing and error correction techniques to provide a comprehensive high-level introduction to this powerful software capability. The course will focus on the NSI-MI product line in order to allow demonstration of various aspects of antenna measurement testing and also to educate attendees on the efficient use of the various tools provided by NSI-MI.

COURSE PRESENTERS

NSI-MI Lecturers including:

**Anil Tellakula / Brett Walkenhorst / Daniël Janse van Rensburg / Jeff Fordham / John Ward
Marion Baggett / Stephen Blalock / Steve Nichols / Vince Rodriguez**

COURSE OUTLINE

Day 1 (8:00 am- 5:30 pm)

1. Introduction to General Antenna Measurements
2. Introduction to Near-Field Theory
3. Implementation of Near-Field Test Systems
4. Chambers & Absorber for NF Systems
5. PNF Theory
6. Gain Measurement
7. Factory Tour

Day 2 (8:00 am- 5:00 pm)

1. SNF Theory
2. Near-field Hardware Demonstration
3. MI-3000 Software Demonstration
4. RF Instrumentation for NF Systems
5. Near-Field Range Assessment
6. Advanced Antenna Measurement Topics

Day 3 (8:00 am- 4:30 pm)

1. Introduction to CATRs
2. Part I Implementation of CATRs
3. Part II Implementation of CATRs
4. CATR Design and Manufacture
5. Applications
6. Advanced CATR Topics



REGISTRATION FORM

Early enrollment is highly recommended.

Registration Deadline: September 14, 2018

Fee: \$2,250 per person (USD)

This fee, which must be received prior to the start of the course, will include lecture notes, a copy of the new text book *Theory and Practice of Modern Antenna Range Measurements*, and lunch during the course.

NAME: _____ **TITLE:** _____

COMPANY NAME: _____ **PHONE:** _____

ADDRESS: _____ **FAX:** _____

CITY, STATE, ZIP: _____ **EMAIL:** _____

PAYMENT BY CHECK

Please make all checks payable to **NSI-MI Technologies**.

Mail your check along with a printed copy of this Registration Form to:

NSI-MI Technologies
ATTN: Accounts Receivable
1125 Satellite Blvd., Suite 100
Suwanee, GA 30024

PAYMENT BY CREDIT CARD

Please fill out the below information for credit card authorization:

CARDHOLDER NAME: _____

COMPANY NAME ON CARD (IF APPLICABLE): _____

BILLING STREET ADDRESS: _____

BILLING CITY, STATE, ZIP: _____

EMAIL FOR PAYMENT RECEIPT: _____

CARD TYPE: VISA MC AMEX **CREDIT CARD NUMBER:** _____

EXPIRATION DATE: _____ **CVV CODE:** _____ **AUTHORIZED SIGNATURE:** _____

Mail, fax or e-mail this Registration Form to:

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