

# ARTECH HOUSE

PRACTICAL BOOKS FOR ENGINEERING PROFESSIONALS

EXCLUSIVE  
**30%**  
Discount  
Plus FREE Shipping

## On-Wafer Microwave Measurements and De-embedding

Errikos Lourandakis

“Any engineer desiring to work with a microwave/ RF probe station should own this book.” – Tibault Reveyrand, Research Associate and Lecturer, *University of Colorado, Boulder*

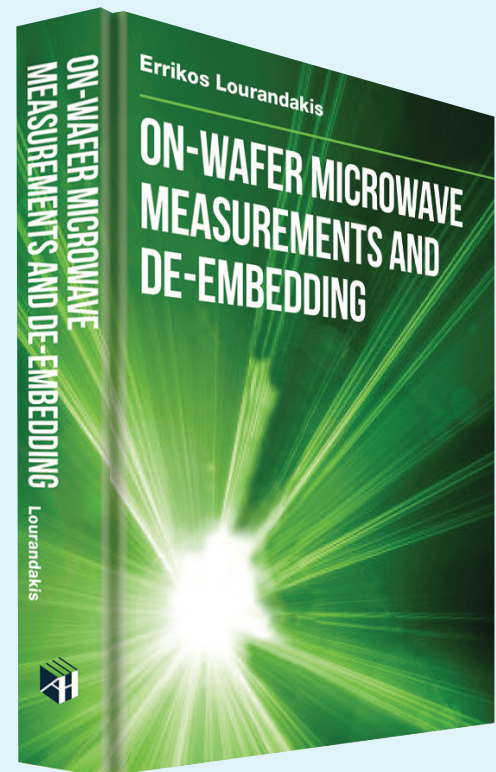
- Presents the basics of network analyzer measurement equipment and troubleshooting errors involved in the on-wafer microwave measurement process;
- Bridges the gap between theoretical and practical information using real-world practices that address all aspects of on-wafer passive device characterization in the microwave frequency range up to 60GHz;
- Provides data and measurements from silicon integrated passive devices fabricated and tested in advanced CMOS technologies;
- Covers basic circuit equations, terms and fundamentals of time and frequency domain analysis;
- Explores the basics of vector network analyzers (VNA), two port S-parameter measurement routines, signal flow graphs, network theory, error models and VNA calibrations with the use of calibration standards.

Hardcover • 280 pp. • Available July 2016

ISBN: 978-1-63081-089-4

\$169 **30% Savings! Only \$118.30**

£125 **30% Savings! Only £87.50**



**Save 30% Plus FREE Standard Shipping with Promo Code: LOU30**  
**Order now at [www.ArtechHouse.com](http://www.ArtechHouse.com)**

*Cannot be combined with other discounts. Offer expires 7/31/2016.*

## To Order

**For customers in the US, Canada, South America, Australia, New Zealand:**

**Call:** 1-800-225-9977 (in the U.S. or Canada),  
or 1-781-769-9750, ext. 4030

**Fax:** 1-781-769-6334

**E-mail:** [artech@ArtechHouse.com](mailto:artech@ArtechHouse.com)

**For customers in the UK, EMEA, Asia, or International orders:**

**Call:** +44 (0)20 7596-8750

**Fax:** +44 (0)20 7630-0166

**E-mail:** [artech-uk@ArtechHouse.com](mailto:artech-uk@ArtechHouse.com)



**ARTECH HOUSE** BOSTON | LONDON

685 Canton Street, Norwood, MA 02062, USA

16 Sussex Street, London SW1V 4RW, UK

Artech House (a.k.a. Artech House Publishers[1]) is a publisher of professional scientific and engineering books.[2] It located in London, United Kingdom and Norwood, Massachusetts, United States. Artech House is a subsidiary of Horizon House Publications, Inc.[3]. Artech House. Parent company. Horizon House Publications. Founded. 1974.Â Laser Space Communications, one of the first books dealing with Laser space communication. References. ^ Artech House Publishers, NSTI Nanotech, 2007.