Lalita Udpa

March 21, 2018

ECE professor featured in ‘Women in NDT’ in scientific journal

Lalita Udpa of Michigan State University is one of only nine women in the country featured in a story on “Women in NDT” in the March edition of Materials Evaluation. NDT stands for Nondestructive Testing, which is very similar to noninvasive imaging in biomedical applications.

Materials Evaluation is the scientific journal of the American Society for Nondestructive Testing.

Udpa is a professor of electrical and computer engineering.

Materials Evaluation Editor Jill Ross writes in an editorial note that the article is a “discussion of the trials, triumphs, and hopes of nine women who are veterans in the field of nondestructive testing, from industry to engineering to academia. This discourse is intended to engender open conversation and awareness of the challenges that many in NDT—and many other traditionally male-dominated industries—face."

The story estimates that there are four women for every 96 men working in NDT. Udpa is one of nine NDT women experts in the United States that are featured in the article. Others include 40-year NDT veteran Cheryl Dufur, Cara Leckey of NASA’s Langley High Performance Computing Center, and Marybeth Miceli, president and founder of Miceli Infrastructure Consulting.

The following text is courtesy of Materials Evaluation:

Lalita Udpa

Lalita Udpa received her PhD in 1986 from Colorado State University’s department of electrical engineering. She is
currently a professor in the Department of Electrical and Computer Engineering at Michigan State University.

Udpa has worked for the last 30 years in the broad areas of nondestructive evaluation, signal processing, and biomedical applications. Her research interests include various aspects of nondestructive evaluation (NDE) such as development of computational models, new sensor design for composites, signal and image processing, data fusion, and inverse problem solutions to problems in NDE.

Udpa served as an associate technical editor of Materials Evaluation from 2000–2017 and she continues to serve on the editorial board of Research in Nondestructive Evaluation.

She is a Fellow of ASNT, the IEEE, and the Indian Society of Nondestructive Testing, and a member of Academia NDT International.

More on Materials Evaluation.

Related Website: Communications contact: Patricia Mroczek

Source URL: https://www.egr.msu.edu/news/2018/03/21/lalita-udpa