

Infrasense Senior Principal Dr. Ken Maser Among Recipients of ASNT Outstanding Paper Award

Dr. Ken Maser was recently selected, along with co-authors Nicole Martino, Ralf Birken, and Ming Wang, to receive the 2017 Outstanding Paper Award by the American Society of Nondestructive Testing (ASNT). Their article, titled "Quantifying Bridge Deck Corrosion Using Ground Penetrating Radar", was published in Research in Nondestructive Evaluation, May 2016.

Boston, MA ([PRWEB](#)) May 24, 2017 -- Infrasense Senior Principal Dr. Kenneth Maser was recently selected, along with co-authors Nicole Martino, Ralf Birken, and Ming Wang, to receive the 2017 American Society of Nondestructive Testing (ASNT) Outstanding Paper award for their article titled "Quantifying Bridge Deck Corrosion Using Ground Penetrating Radar", published in Research in Nondestructive Evaluation, May 2016. The authors will be recognized at the Annual Awards Banquet at the 2017 ASNT Annual Conference in Nashville, Tennessee, this autumn. The article concentrated on the development of a method to relate the results of Ground Penetrating Radar (GPR) analyses to the level of active corrosion in a particular bridge deck. The article also presents a step-by-step procedure for the development of an amplitude threshold for future bridge deck assessments using only GPR.

The research that formed the basis of this article was carried out as part of the 5-year NIST-funded VOTERS project, led by Northeastern University. The project aimed to develop a cost-effective method to detect surface and subsurface roadway defects, enabling continuous network-wide health monitoring of roads and bridge decks without the need for expensive and hazardous work zones and road closures. The ideas behind the article were initially developed after lab testing of deteriorated bridge deck segments that were recovered intact after demolition. The availability of the "real" bridge deck conditions in the lab led to insights that motivated further research, and ultimately, the findings presented in the article.

The American Society for Nondestructive Testing (ASNT) is comprised of over 16,000 members, making it the world's largest technical society for nondestructive testing (NDT) professionals. It provides a wealth of services to the NDT community, including educational materials and certifications for NDT personnel. ASNT promotes NDT as a discipline by organizing and sponsoring conferences and meetings, and facilitating research.

ASNT produces a number of publications, including Research in Nondestructive Evaluation, a quarterly journal that presents research from all areas of nondestructive testing. The journal publishes experimental and theoretical investigations in both the scientific and engineering applications of nondestructive evaluation. Research in acoustic, thermal, electrical, magnetic, and optical testing techniques are among the relevant topics published in the journal, with applications ranging from long-term health monitoring of structures, to the characterization of material properties.

About Infrasense, Inc.

Since 1987, Infrasense, Inc. has applied state-of-the-art technologies to address the most difficult challenges in subsurface scanning. Infrasense's engineers are able to nondestructively extract critical information from a diverse range of structures. In addition to providing ongoing subsurface evaluation services to clients across the country, the firm has also conducted numerous research programs to advance the field of subsurface detection and non-destructive evaluation.

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