



Call for Abstracts

NDE/NDT for Highways and Bridges: Structural Materials Technology (SMT)

21–24 August 2012, New York LaGuardia Airport Marriott, New York, NY, USA

Program Chair

Dr. Sreenivas Alampalli,
New York State Department of Transportation

Program Co-Sponsors

New York State Department of Transportation (NYSDOT)

Federal Highway Administration (FHWA)

New York City Department of Transportation (NYCDOT)

New York State Bridge Authority (NYSBA)

International Society for Structural Health Monitoring of
Intelligent Infrastructure (ISHMII)

University Transportation Research Center (UTRC), Region II

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Structural Engineering Institute of ASCE

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City College of New York (CCNY)

International Association for Bridge Maintenance and Safety (IABMAS)

International Association for Life-Cycle Civil Engineering (IALCCE)

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Dr. H. Felix Wu, National Institute of Standards and Technology

Don't miss an opportunity to present at ASNT's NDE/NDT for Highways and Bridges: Structural Materials Technology (SMT) 2012

This conference is promoting the exchange of information between national and international researchers, practitioners and infrastructure owners on the application of Nondestructive Evaluation (NDE) and Nondestructive Testing (NDT) technologies for the condition assessment of highway infrastructure. Contributions focused on field applications, case studies, technology implementation, applied research, and practical experience are invited. Through technical presentations and exhibits, infrastructure owners, transportation officials, researchers, consultants, and contractors will be exposed to the state-of-the-practice in nondestructive evaluation (NDE) methods. In addition, participants will have the opportunities to discuss urgent problems faced by civil infrastructure owners and the potential solutions utilizing available emerging NDE technologies.

Topics of interest for the conference include NDE technologies for structural evaluation (bridge superstructure, substructure, decks, culverts, etc.), pavement NDE and structural health monitoring. Quality Control/Quality Assurance (QC/QA) practices, bridge inspection methods and the integration of inspection findings in bridge evaluation and management programs are also of interest.

Suggested Topics Include:

- Condition assessments of existing highway infrastructure
- Implementation of NDE technologies
- Quality Control (QC) and Forensic investigation of in-service structures
- Quality Assurance (QA) during construction
- Inspections at the fabrication facilities
- Bridge inspection challenges faced by State Transportation Agencies
- Structural health monitoring (SHM) and load rating
- Foundation integrity and unknown depth
- Pavement integrity evaluations
- Bridge cable inspection
- Underwater inspection technologies
- Scour evaluation
- Monitoring during accelerated bridge construction
- Remote sensing for infrastructure applications
- Innovative sensors for civil infrastructure
- Tunnel and culvert inspection
- Inspection and evaluation of structures using innovative materials
- NDE and bridge security
- Inspection of light poles and sign supports
- Quantification of bridge deterioration
- Training and certification of inspection personnel

Deadlines

Abstracts submission: 3 February 2012

Acceptance notification: 30 March 2012

Final paper submission: 11 May 2012

Abstract Submission

Prospective authors are requested to submit abstracts of approximately 200 words on all NDT methods via the ASNT Web site www.asnt.org under the meetings and events section. Authors are encouraged to focus on the application of their technology to real-world situations rather than numerical modeling or analytical procedures.

E-mail submission format requirements:

If you do not submit your abstract via ASNT's online form, please email it to conferences@asnt.org and be sure to include the following information:

Abstracts title	
Presenting author	Co-author(s)
Author's company name	Co-author's company name
Address	Address
City, State, Zip	City, State, Zip
Country	Country
Phone	Phone
E-mail	E-mail

Please list any additional co-authors, as well as their contact information. All Correspondence will be emailed to the presenting author only.

Questions concerning abstracts should be directed to Jacquie Giunta at jgiunta@asnt.org or by phone at 614.274.6003 ext. 213. Session proposals are invited and should include a 100 word session abstract. It should be sent together with abstracts of all three to four papers that will be included in that session. For further information on the session proposals, contact Jacquie Giunta at jgiunta@asnt.org

Abstracts will be reviewed by the program chair and members of the advisory committee, and placed in the program. Authors will be informed of acceptance by **30 March 2012**, and a speaker packet with further instructions will be emailed to primary authors.

Paper Summaries

Paper summaries will be distributed to attendees at the conference. Authors whose abstracts have been approved for presentation are requested to submit a paper summary (five-page maximum including photos and illustrations) by **May 11, 2012**.

Authors are encouraged to submit full papers for publication. ASNT will not reproduce material in any format, including summaries and technical papers, without a signed transfer of copyright from the author to the American Society for Nondestructive Testing, Inc. ASNT discourages excessive use of trade names, company identifications or product names in oral and visual presentations, including abstract and paper summaries.

For consideration, submit your abstract before 3 February. Be part of an ASNT Conference.

ASNT's Mission

ASNT exists to create a safer world by promoting the profession and technologies of nondestructive testing.

