

Call for

Abstracts



NDE/NDT for Highways and Bridges: Structural Materials Technology (SMT) 2010

16–20 August 2010, New York LaGuardia Airport Marriott, New York, NY, USA

Program Chairs

Sreenivas Alampalli, New York State Department of Transportation (NYSDOT)

Frank Jalinoos, Federal Highway Administration (FHWA)

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International Society for Structural Health Monitoring of Intelligent Infrastructure

New York State Department of Transportation

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Don't miss an opportunity to present at ASNT's NDE/NDT for Highways and Bridges: Structural Materials Technology (SMT) 2010

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

Topics of interest for the conference include NDE technologies for bridge superstructures, substructure and decks, 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 yards
- Bridge inspection challenges faced by State DOT's
- Structural health monitoring (SHM) and load rating
- Foundation integrity and unknown depth
- Pavement integrity evaluations
- Bridge cable inspection
- Underwater inspection technologies
- Scour evaluation
- Long-term bridge monitoring
- Innovative sensors for civil infrastructure
- Embeddable sensors
- Tunnel and culvert inspection
- Inspection and evaluation of fiber reinforced polymer (FRP) material and FRP structures
- Inspection of light poles and sign supports
- Quantification of bridge deterioration
- Training and certification of inspection personnel

How to Submit Abstracts

Prospective authors are requested to submit abstracts of approximately 200 words on all NDT methods. Authors are encouraged to focus on the application of their technology to real-world situations rather than numerical modeling or analytical procedures.

Online www.asnt.org/events/events.htm

Alternate Abstracts Submission Methods

E-mail conferences@asnt.org Fax 614.274.6899

Mail ASNT
SMT 10 Abstracts
1711 Arlingate Lane
PO Box 28518
Columbus, OH 43228-0518, US

Questions concerning abstracts should be directed to the ASNT conference department; conferences@asnt.org or by phone at 800.222.2768.

Deadlines

Abstracts submission: 1 February 2010
Acceptance notification: 15 March 2010
Final paper submission: 14 May 2010

Mailed Abstracts Should be Typed and Include the Following:

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
Fax	Fax
E-mail	E-mail

Please list any additional co-authors, as well as their contact information.

Abstracts will be reviewed by the program chairs for program placement. Authors will be informed of acceptance by **15 March 2010**, and a speaker packet with further instructions will be emailed to primary authors.

Speakers will be allowed 30 minutes for presentation and questions and answers.

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 (eight-page maximum including photos and illustrations) by **14 May 2010**.

Authors are encouraged to submit full papers for publication. ASNT will not reproduce material in any format, including summaries and technical abstracts, 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 1 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.

