Features

- **5** From the President: Common Cause by 2008-2009 ASNT President Jocelyn Langlois
- 17 Feature: Predictive Model of Key Performance Measures for Computed Radiography by Steven A. Mango and Karin Töpfer
- **23** *Feature:* High Voltage Electrical Survey Advancement by Daniel A. Ninedorf
- **28** Feature: Subsurface Water Path Detection in Concrete Structures Using Active Thermography by F.C. Sham, Y. Lo, Y.S. Chen and Y.Y. Hung
- 32 Product Spotlight: Radiographic Testing

In This Issue _

This issue of *Materials Evaluation* includes a Product Spotlight on radiographic testing, as well as a feature article on computed radiography and a technical paper on radiographic image analysis. A message from ASNT President Jocelyn Langlois can be found on page 5.

Inside ASNT _____

- 12 ASNT Exam Schedule
- 13 Authorized Exam Centers (AECs)
- **38** Corporate Partners
- 43 Contact ASNT
- **80** Advertiser Index

Technical Papers

- 49 *Technical Paper:* Determination of Effective Setups for Ultrasonic Testing Based on Numerical Simulations Using Ray Tracing and the Mass Spring Lattice Model by Eunsol Baek and Hyunjune Yim
- **Technical Paper:** Application of Fourier Theory in Radiographic Image Analysis by Sanjoy Das and B.K. Shah
- 60 Technical Paper: Ultrasonic Phased Array Testing Simulations of Welded Components at NASA by D.J. Roth, R.P. Tokars, R.E. Martin, R.W. Rauser, J.C. Aldrin and E.J. Schumacher

Departments _____

- 7 Calendar
- 14 Section News
- 36 Awards and Honors
- **36** In Memoriam
- **37** Society News
- **40** Standards Development
- 42 New Media
- 43 People
- **44** Industry News
- **45** Calls for Papers
- **46** New Products
- **47** New ASNT Certificate Holders
- 48 New Patents
- **67** Employment Service
- **67** Classifieds
- **68** Service Directory

Spring Conference

ASNT's Annual Research Symposium and Spring Conference is being held on 16–20 March at the Millennium Hotel in St. Louis, Missouri. Find out what the future holds in store for NDT at this important meeting focused on the very latest NDT research.