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1993

"Ultrasonic Evaluation of Solid State Bonds" (Materials Evaluation)

Peter B. Nagy

Laszlo Adler

1993

"Determination of Steel Sheet Formability Using Wide Band Electromagnetic-Acoustic Transducers" (Research in Nondestructive Evaluation)

Alfred V. Clark

C. M. Fortunko

Margarit G. Lozev

S. R. Schaps

M. C. Renken

1994

"Defect Visualization in Carbon Fiber Composite Using Laser Ultrasound" (Materials Evaluation)

Richard Dewhurst

Ruhua He

Qing Shan

1995

"Millimeter Wave Imaging for Nondestructive Evaluation of Materials" (Materials Evaluation)

Nachappa Gopalsami

Sasan Bakhtiari

Stephen L. Dieckman

Apostolos C. Raptis

Matthew J. Lepper

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1995

"Advanced Ultrasonic Method for Measuring Axial Rail Stresses with Electromagnetic Acoustic Transducer" (Research in Nondestructive Evaluation)

Masahiko Hirao

Hirotsugu Ogi

Hidekazu Fukuoka

1996

"Narrow-Band Hybrid Pulsed Laser/EMAT System for Inspection of Interior Surfaces" (Materials Evaluation)

D. A. Oursler

J. W. Wagner

1996

"Quantitative Mapping of Pore Fraction Variations in Silicon Nitride Using an Ultrasonic Contact Scan Technique" (Research in Nondestructive Evaluation)

J. Roth

J. D. Kiser

S. M. Swickard

S. A. Szatmary

D. P. Kerwin

1997

"Ultrasonic Measurement of Residual Stress in the Rims of Inductively Heated Railroad Wheels" (Materials Evaluation)

Raymond E. Schramm

Jacek Szelazek

A. Van Clark, Jr.

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1998

"Determination of Applied and Residual Stresses in Anisotropic Materials from Ultrasonic Velocity Measurement" (Materials Evaluation)

A. D. Degtyar

Anton I. Lavrentyev

S. I. Rokhlin

1999

"A Novel Ultrasonic Method for Characterizing Microstructural Gradients in Tubular Structures" (Materials Evaluation)

George Y. Baaklini

James Bodis

Dorothy Carney

Richard Rauser

Don Roth

2002

"Case Study for the Implementation of an Automated Ultrasonic Technique to Detect Fatigue Cracks in Aircraft Weepholes" (Materials Evaluation)

John Aldrin

Jan D. Achenbach

Glenn Andrew

Charlie P'an

Bob Grills

R. T. Mullis

Floyd W. Spencer

Matt Golis

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2003

"Challenges in Integrating Nondestructive Testing and Finite Element Methods for Realistic Structural Analysis" (Materials Evaluation)

Ali Abdul-Aziz

George Y. Baaklini

2003

"Thermoelectric Nondestructive Evaluation of Residual Stress in Shot-Peened Metals" (Research in Nondestructive Evaluation)

Hector Carreon

Peter B. Nagy

Mark Blodgett

2004

"Eddy Current Sensor Networks for Aircraft Fatigue Monitoring" (Materials Evaluation)

Neil J. Goldfine

Vladimir Zilberstein

Andrew P. Washabaugh

Darrell Schlicker

Ian Shay

David Grundy

2005

"Microwave Reflection Properties of Mortar Possessing a Cyclically Ingressed Sodium Chloride Profile" (Materials Evaluation)

Kristen Muñoz

Bharath Akuthota

Eric Gallaher

Reza Zoughi

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2006

"Developing, Optimizing and Validating Automated Ultrasonic Procedures for Testing Heavy Walled Hydroprocessing Reactors" (Materials Evaluation)

Mark G. Lozev

Roger L. Spencer

2007

"More Accurate Localized Wire Rope Testing Based on Hall Sensor Array" (Materials Evaluation)

Yinni Cao

Donglai Zhang

Chao Wang

Dianguo Xu

2008

"Guided Wave Damage Detection Tomography for Structural Health Monitoring in Critical Zones of Pipelines" (Materials Evaluation)

Luke J. Breon

Jason K. Van Velsor

Joseph L. Rose

2009

"Characterization of Manufacturing and Maintenance of Aerospace Composite Discontinuities Using Infrared Thermography" (Materials Evaluation)

Pierre Servais

Jason Habermehl

Xavier Maldague

Nathalie Gerlach

Clemente Ibarra-Castanedo

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2009

"Nondestructive Evaluation of Anisotropy in Composite Materials via Acoustic Birefringence" (Research in Nondestructive Evaluation)

Igor Solodov

Klaus Pfleiderer

Daniel Döring

Gerd Busse