



Newsletter - November 2002
ASME Central Iowa Section

Joint meeting - Product Verification 2002

ASME/ASAE/SAE/SME

Tuesday, November 12th
Holiday Inn
5826 University Ave.
Cedar Falls, Iowa 50613

Pre-Registration is required to guarantee a meal!

REGISTER ONLINE <http://chapters.sme.org/186/nov02/index.stm>

Schedule of Events: 4:00 – Registration at Door
5:00-6:00 – Technical Sessions
6:00-6:45 – Social Period
6:45-7:30 – Dinner (Buffet)
7:30-8:30 – Keynote Address

TECHNICAL SESSIONS

SESSION 1: [Cryogenic Hardening](#)

SESSION 2: [Developing and Validating Products in a Virtual World](#)

SESSION 3: [Design Analysis: Air Flow and Spring Rate](#)

SESSION 4: [Tractor Transmission Test Simulation Using Accelerated Design Methodology](#)

KEYNOTE SPEAKER: "Developing A Durable Product"

Chris Musiol, President
nCode International, Inc.
26877 Northwestern Hwy, Suite 220
Southfield, MI 48034
Tel: + 1 248 350 8300
Email: Chrismusiol@ncodeinc.com

Today, increasing commercial pressures to develop and deliver reliable products in a timely manor necessitates more intelligent testing to be coupled with CAE procedures together with the integration of these elements, with others into an framework capable of delivering the information required to develop durable products.

In 1982, Chris Musiol and three colleagues from the Railway Technical Center (Derby, England) founded nCode International Ltd. For 15 years, Chris was technical director at nCode, with specific responsibility for product development and strategic international business development, particularly in Germany and the US.

In 1996, He became President of nCode International Inc., the wholly owned US subsidiary of nCode International Ltd. Today he has specific responsibility for business development in the area of Information Flow, Distribution and Management especially as they relate to the durability process.

Chris received a Bachelor of Science degree with honors in metallurgy and a Ph.D from Sheffield University in England. He conducted post-doctoral research at Sheffield into the heat treatment of steels used in the manufacture of aerospace turbine blades.

Your ASME Central Iowa Section Officers

Chair
Glenn Anderkay 319-236-1018

Vice Chair
William Byrd 319-292-7980
E-mail: Byrdwilliams@johndeere.com

Secretary
Steve Ephraim 319-292-8181
E-mail: Ephraimstephen@johndeere.com

Treasurer
Dr. George Wandling
E-mail: gwanling@wandling.com

Past Chair
Garrett Goins 515-289-3534
E-mail: Goinsgarrett@JohnDeere.com

Member Interests
Nosiru Ola 319-292-8568
E-mail: OlaNosiruH@JohnDeere.com

Professional Development
Max Gassman 515-294-4587
E-mail: mpg@iastate.edu

Honors and Awards
Dennis Kinkaid 641-787-5273
E-mail: dkinka@maytag.com

Student Advisor
Francine Battaglia 515-294-2085
E-mail: francine@iastate.edu

Professional Ethics & Practice
Donald Wandling 515-232-0158
E-mail: wandling@ames.net

Membership Development
Glenn Anderkay 319-292-8716
E-mail: AnderkayGA@JohnDeere.com
ISU Students:

Area Contacts:

ISU Students:
Russle Sand
rsand@iastate.edu

Ames
Max Gassman
mpg@iastate.edu
515-294-4587

Des Moines
Bill Smith, Jr.
SmithWilliamLJr@JDCorp.deere.com
515-289-3584

Marshalltown
John Dresser
led@mtnia.com
515-752-6567(home)

Newton
Dennis Kinkaid
dkinka@maytag.com
515-787-5273

Waterloo
Glenn Anderkay
AnderkayGA@Waterloo.deere.com
319-292-8716

Session 1: Cryogenic Hardening

Les Baych – Sales Manager for Cryogenic Engineering

Session 2: Developing and Validating Products in a Virtual World

Dr Steve M. Rohde. – Senior Consultant and Head of Automotive Operations at Quantum Signal. Retired from General Motors as Technical Director for Technology planning.

Session 3: Design Analysis – Air Flow and Spring Rates

Charles R. Mischke, Ph.D, P.E

“A Design Validation Example: Is the Method of Estimating the Spring Rate k_m of the Members of a Bolted Joint Robust?”

Thomas F. Tock – Computational Fluid Dynamics *“Underhood Air Flow (CFD) Analysis of JD 8000 Series Tractors”*

Session 4: Tractor Transmission Test Simulation Using Accelerated Design Methodology.

Mark Fruedenberg – Manager of Drivetrain Test Lab, John Deere Waterloo

Robert L. Caruso – Drivetrain Test Engineer, John Deere Waterloo

UPCOMING EVENTS

- January – Plant Tour, Maytag
- February – Distinguished Lecturer
- March – Plant Tour, John Deere DesMoines Works
- May – Plant Tour in Cedar Rapids