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CCAM

Machining Research Day

Agenda

February 28, 2018

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| 8:30 AM | Secretary Esther Lee, Commonwealth of Virginia Secretary of Commerce and Trade, "Welcome Remarks"
Mr. Will Powers, President & CEO, CCAM & Dr. Jaime Camelio, CTO, CCAM, "Introduction" |
| 9:00 AM | Dr. Tony Schmitz, Professor, Mechanical Engineering and Engineering Science, UNC Charlotte
"Is All Chatter Bad?" |
| 9:30 AM | Dr. Steven Turek, Manufacturing Enterprise/Research Team Lead, Manufacturing and Industrial Technologies Division, AFRL
"Air Force ManTech Perspective on Machining" |
| 10:00 AM | Break |
| 10:20 AM | Dr. Steven J. Skerlos, Arthur F. Thurnau Professor of Mechanical Engineering, University of Michigan
"Supercritical CO ₂ as a Machining Fluid - Principles and Production Applications" |
| 10:50 AM | Mr. Maneesh Khanna, Head of Manufacturing Competitiveness, Siemens Energy
"Dynamic PVDF Sensor Based FORCE and CHATTER Monitoring of Single-Point Cutting Processes" |
| 11:20 AM | Dr. Steven R. Schmid, Program Director for Manufacturing, Machines and Equipment, National Science Foundation
"Opportunities for Advanced Manufacturing Research at the National Science Foundation" |
| 11:50 AM | Lunch & Tours for Guests
Closed Session Working Lunch for Members |
| 1:20 PM | Dr. Gregory Hyatt, Advanced Solutions Development Senior Vice President & CTO, DMG/MORI SEIKI USA
"AM is Not Just for Rapid Prototyping Anymore" |
| 1:50 PM | Dr. Tom McLeay, Head of Machining Research, AMRC
"Machining Process Monitoring, Virtual Machining, and Optimization" |
| 2:20 PM | Break |
| 2:40 PM | Ron Volpicella, Research Manager, CCAM & Jaime Camelio, CTO, CCAM, Machining Program Update from CCAM |
| 3:00 PM | Panel: "Current Challenges in Machining" <ul style="list-style-type: none">• Mr. Ken Baeszler, Market Segment Manager – Aerospace, GF Machining Solutions• Mr. Bill Durow, Manager Global Engineering Project Office, Sandvik Coromant• Dr. Tom McLeay, Head of Machining Research, AMRC• Dr. Tony Schmitz, Professor, Mechanical Engineering and Engineering Science, UNC Charlotte• Dr. Steven Turek, Manufacturing Enterprise/Research Team Lead, Manufacturing and Industrial Technologies Division, AFRL• Mr. Jason Wells, President, Kyocera SGS Tech Hub LLC Moderator: Dr. Sydney G. Roberts, Director of Strategic Partnerships, CCAM |
| 4:00 PM | Reception & Poster Session |