



Association for Coordinate Metrology Canada
Association canadienne de métrologie de coordonnées

Annual General Meeting
14-15 June 2001

Location: National Research Council Canada, Ottawa, Ontario

AGENDA: Thursday, 14 June 2001

- 8:30 - 8:50 CONFERENCE REGISTRATION – coffee & breakfast refreshments
(ACMC will provide conference registration)
- 8:50 – 9:00 **Welcoming Remarks**
Tony Deviveiros, ACMC Chairman
Janusz Lusztyk, Director General, Institute for National Measurement Standards
- 9:00 - 9:45 **New and Interesting Concepts from ISO/TC 213: Geometrical Product Specifications (GPS)**
Mr. Johan Dovmark, Convenor of ISO/TC 213/WG 10, Coordinate Measuring Machines, Novo Nordisk, Denmark
- 9:45 - 10:15 **Linear Thermal Effects for Length Measurements with CMMs**
Mr. Hans Neumann, Consultant to Carl Zeiss Oberkochen, Germany
- 10:15 - 10:35 COFFEE BREAK - hallway/lunch room
- 10:30 - 11:30 **1. Uncertainty Management – A Tool in Risk Management**
2. Uncertainty in Relation to Specifications
Mr. John Dovmark, Convenor of ISO/TC 213/WG 10, Coordinate Measuring Machines, Novo Nordisk, Denmark
- 11:30 - 12:10 **Video Image Metrology**
Dr. Jim Pekelsky, National Research Council Canada
- 12:10 - 13:10 LUNCH
- 13:10 - 15:10 **The Impact of the Y14.5 Standard on CMM Based: (1) Product Quality Assessment, and (2) Manufacturing Process Quality Assessment**
Mr. Bill Tandler, Multimetrics
- 15:10 - 15:25 COFFEE BREAK - hallway/lunch room
- 15:25 - 15:45 **Research Activities at the PTB CMM Section - General Overview**
- Traceability of large CMM
- Opto-tactile fibre probe
- Internet based services for CMM monitoring
Mr. Franke PTB, German National Metrology Institute

AGENDA: Thursday, 14 June 2001 (continued)

- 15:45 - 16:40 **Assessment of Uncertainties in Coordinate Metrology - Introducing The Virtual CMM concept to Industry**
- Basic principles
- Integration in CMM evaluation software
- Bringing the Virtual CMM method to industry - practical experiences and results
Mr. Franke PTB, German National Metrology Institute
- 16:40 - 17:10 **ACMC Business**
Annual Report and Election of Officers
- 17:10- 18:00 **Open Discussions and Vendor's Time**
- 18:15 - 18:45 RECEPTION (Cash Bar)
- 18:45 - 20:00 DINNER

AGENDA: Friday, 15 June 2001

- 8:30 - 9:00 CONFERENCE REGISTRATION
Coffee & breakfast refreshments
- 9:00 - 9:30 **Single Point or Multiple Point Measurements?
A comparison: advantages and disadvantages**
Mr. Hans Neumann, Consultant to Carl Zeiss Oberkochen, Germany
- 9:30 - 10:15 **Experience in Retro-Fitted CMMs, Recalibration and Maintenance –
“Keep your Machine Healthy”**
Dr. Allan Spence, McMaster University
- 10:15 - 10:30 COFFEE BREAK - hallway/lunch room
- 10:30 – 11:00 **Precision Measurements in the Production Line – “New Aspects and Developments”**
Mr. Hans Neumann, Consultant to Carl Zeiss Oberkochen, Germany
- 11:00 – 11:30 **Results and Statistics From the NRC National Measurement Assurance Program**
Mr. Kostadin Doytchinov, National Research Council
- 11:30 - 12:30 **Discussion Panel: Certified CMM Operator Concept**
- 12:30 - 1:30 LUNCH
- 1:30 ACMC-2001 Workshop Concludes
- Optional: Tour of INMS laboratories**