

**Lamdapap 9<sup>th</sup> International Conference, Tuesday 30<sup>th</sup> June – Thursday 2<sup>nd</sup> July 2009**

Session 1: Machine Tool & CMM Performance Evaluation Methods

*Orals - Tuesday 30<sup>th</sup> June 2009, 10:10-11:10 & 11:30-12:30*

*Posters- Tuesday 30<sup>th</sup> June 2009, 15:40-16:20*

<b>Paper Title</b>	<b>Title</b>	<b>Name(s)</b>	<b>Surname</b>	<b>Affiliation</b>	<b>Ref. No</b>
Efficient Offline Thermal Modelling for Accurate Assessment of Machine Tool Thermal Behaviour	Mr	Naeem	Mian	University of Huddersfield	<b>O1.1</b>
Reconfigurable uncalibrated 3D ball artefact for five-axis machine volumetric check	Prof.	Rene	Mayer	École Polytechnique de Montréal, Canada	<b>O1.3</b>
Assessing the impact of rotary axes on the accuracy of machine tools	Dr	Guido	Florussen	IBS Precision Engineering	<b>O1.4</b>
Compensation of Thermal Effects on Machine Tools using a FDEM Simulation Approach	Dip-Ing	Josef	Mayr	IWF ETH-Zurich	<b>O1.5</b>
Evaluation and comparison of a large machine tool structure with ISO standard alignment tests.	Mr	Alan	Myers	University of Huddersfield	<b>O1.2</b>
Evaluation of the volumetric length measurement error of a micro-CMM using a mini sphere beam	Dr	Zhixia	Chao	National Metrology Centre, Singapore	<b>O1.6</b>
A methodology for performance measurement and assessment of bench-top precision machine tools	Prof.	Kai	Cheng	School of Engineering and Design Brunel University, UB8 3PH, UK	P1.1
Defining and computing machine tool accuracy	Dr	Simon	Fletcher	University of Huddersfield	P1.2
Comparison of volumetric analysis methods for machine tools with rotary axes	Dr	Andrew	Longstaff	Centre for Precision Technologies	P1.3

Investigating the performance of Coordinate Measuring Machine scanning probe systems	Dr	Jon	Petzing	Loughborough University	P1.4
Analysis of specifications and 3D inspection without contact	Mr	David	Joannic	University of Burgundy	P1.5