Kompetenzzentrum Ultrapräzise Oberflächen-bearbeitung e.V.

8th Workshop 2012 - Asphere Metrology

November 13th, 2012 - Detailed Programme

(As of October 22nd, 2012)

Day 1: Monday, November 12th / Evening

19.00 **Get together; Resturant „Al Duomo“,**
Ruhfäutchenplatz 1; 38100 Braunschweig
Phone: +49 531 1200-490

Day 2: Tuesday, November 13th / Morning
Chair: J.M. Asfour; Dioptic GmbH; Germany

8.00 Registration

8.30 Opening and Overview;
Prof. Dr. F. Löffler; CC UPOB e.V.; Germany

8.40 **Status of the EMRP Project IND10 with Regard to Asphere Metrology;** Dr. M. Schulz; PTB; Germany

9.05 **Asphere Measurement Results and Embedding of the NANOMEFOS within Instrument Development at TNO;**
C. van Drunen; TNO Technical Science; Netherlands

9.30 **Tactile-Optical Measurements of Aspherical Surfaces;**
B. Hopp; Werth Messtechnik GmbH; Germany

9.55 **Interferometric Measurements on the D46 Asphere: Results;**
Dr. K. Mantel; Max Planck Institute for the Science of Light; Germany

10.10 **Coffee Break**

10.30 **Asphere Surface Reconstruction by Transmissive Waverfront Measurement;** Prof. Dr. T. Henning; Fachhochschule Bremen, Institut i3m; Germany

10.55 **Metrology at Technologie Campus Teisnach;**
Prof. Dr. E. Hofbauer; HDU Deggendorf; Germany

11.20 **3D Tactile Scanning on Aspheric Lenses;**
Dr. A. Beutler; Mahr GmbH; Germany

11.45 **Analysis of Systematic Errors and their Compensation in CGH-Based Asphere Testing;**
S. Stürwald; Fraunhofer IPT; Germany

12.10 **Lunch Break**

Day 2: Tuesday, November 13th / Afternoon
Chair: Dr. A. Beutler; Mahr GmbH; Germany

13.10 **Specular Freeform Surfaces Measured by Defectometry II;**
E. Olesch ; University of Erlangen-Nuremberg; Germany

13.25 **Non-Contact Asphere Metrology at TRIOPTICS;**
C. Daske; TRIOPTICS GmbH; Germany

13.50 **Repeatibility HLEM Ashperes with Isara 400;**
Ir. M. Baas & Dr. Ir. H.A.M. Spaan;
IBS Precision Engineering BV; Netherlands

14.15 **ESDI's SNI Measurement Results;**
D. A. Pearson II.; ESDI; USA

14.40 **Coffee Break**

15.05 **Comparison of Measurement Results;**
Dr. S. Quabis; PTB; Germany

15.35 **Necessary Properties of Standard Aspheres;**
Dr. M. Schulz; PTB; Germany

16.00 **Final Discussion / Outlook;**

16.25 **Summary;**
Prof. Dr. F. Löffler; CC UPOB e.V.; Germany

16.30 Workshop Closing

PRELIMINARY PROGRAMME