

**WEMESURF Research Training Network INDUSTRY DAY**

Characterisation of **WEar MEchanisms** and **SURFace** functionality  
with regard to life time prediction and quality criteria  
from micro to the nano range

SKF Engineering and Research Centre and Phillips Applied Technology are pleased to invited to **WEMESURF Industry Day**, the **27<sup>th</sup> of May 2010** at SKF Business and Technology Park, Nieuwegein, The Netherlands.

**Programme**

|               |   |
|---------------|---|
| 09.45 - 10.00 | Registration + <i>Coffee</i>  |
| 10.00 - 10.10 | Introduction (Laura Montagna, Operation Manager SKF-ERC)  |
| 10.10 - 10.30 | Importance of Tribology in SKF Business (Dr. Rihard Pasaribu, SKF)  |
| 10.30 - 10.50 | Excellence Centre of Tribology - Research for Industrial Applications (Dr. Andreas Pauschitz, AC <sup>2</sup> T)  |
| 10.50 - 11.10 | On the Transition from Mild to Severe Wear in Boundary Lubricated Concentrated Contacts, (Ir. Rob Bosman, UT)   |
| 11.10 - 11.30 | Tribology for Maintenance at TNO (Ir. Alex de Kraker, TNO)  |
| 11.30 - 11.50 | Friction and Wear Modelling of Large Scale Radial Bearings by Means of Combine Experiment and Finite Element Method (Prof.dr.ir. Patrick de Baets, U. Gent)               |
| 11.50 - 12.10 | Practical Tribology Testing for Industry (Dr. Dirk Drees, Falex)  |
| 12.10 - 12.30 | Tribology of Soft Human Tissue (Dr. ir. Kees Hendriks, Philips)   |
| 12.30 - 14.00 | Poster Session + <i>Lunch Break</i>   |
| 14.00 - 14.10 | Overview of the Research Training Network WEMESURF (Dr. Thomas Wopelka)   |
| 14.10 - 14.30 | Improved 3D-Analysis-Methods for Determination of Wear and Chemical Changes on Advanced Functional Surfaces and Coatings (Dr. Hande Cote)                                 |
| 14.30 - 14.50 | Improved Physical/Chemical Analysis Methods to Describe Chemical and Metallurgical Interactions Between Advanced Lubricants and Functional Surfaces (MSc. Aldara Naveira) |
| 14.50 - 15.10 | Set Up a Theoretical Parameter and Criteria Model for Wear Characterisation in Sub Micro-Metre and Nano-Metre Scale (Dr. Manel Rodriguez)                                 |
| 14.10 - 15.30 | <i>Coffee Break</i>   |
| 15.30 - 15.50 | Development of An Improved Micro-Nano-Simulation-Model to Describe the Surface and Advanced Lubricant Relevant Interactions and Wear Mechanisms.(MSc. Davide Bianchi)     |
| 15.50 - 16.10 | Closure   |
| 15.10- 16.00  | Facility Tour SKF ERC   |



MARIE CURIE ACTIONS



**Location: SKF Engineering and Research Centre, Nieuwegein, The Netherlands**

**Date: 27<sup>th</sup> May, 2010**

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