



**Workshop on:**

**Self-lubricating coatings and micro/nano-additivated materials for  
mechanical applications.**

Date: **2013 April 12**

Location: **Aula seminari S3 - Dipartimento di Scienze Fisiche, Informatiche e Matematiche  
via G. Campi 213/a - 41125 Modena**

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**Program**

**9.20** – Opening

**9.30** – Dr. Enrico Gualtieri – Centre InterMech-MO.RE, University of Modena & Reggio Emilia, Modena, Italy.

*"Combination of multi-layered coatings and micro-texturing strategies"*

**10.00** – Prof. Rafael Rodriguez – Asociación de la Industria Navarra - Pamplona, Cordovilla (Navarra) SPAIN.

*"Nano-multilayered and nanostructured hard PVD coatings for tools and components that work under aggressive environments at medium/high temperatures."*

**10.30** - Dr. Diego Marchetto – Fraunhofer-Institute for Mechanics of Materials, Pfinztal, Germany.

*"Potential of graphene as solid lubricant".*

**11.00** – Coffee break

**11.30** – Prof. Luigi Torre - Dipartimento d'Ingegneria Civile ed Ambientale dell'Università degli Studi di Perugia sede di Terni.

*"Polymeric and nanostructured coatings for polymer and composites, to improve mechanical and functional properties, some examples".*

**12.00** – Dr. Stefano Benuzzi – Dipartimento di Scienze Fisiche, Informatiche e Matematiche.

*"Tribological properties of nano-additivated PEEK"*

**12.20** – Dr. Elena Ferramola, Varvel spa, Crespellano BO – Italy.

*"Varvel S.p.A, Tribology Case History"*

**12.40** – Discussion and conclusion

**13.15** – Lunch