

Forehead

Dear participant, dear colleague,

The organizing committee welcomes all of you for taking part in the International conference dedicated to Prof. Enrico Evangelista on the occasion of his 70th birthday.

In particular,

Prof. Stefano Spigarelli and Prof. Marcello Cabibbo

express all their gratitude for the Enrico's invaluable guidance in their scientific and professional endeavours.

This Conference is intended to be the proper opportunity for wishing Enrico Evangelista to be as successful in his future activities as he has been in his academic and scientific career.

Introduction

The conference honors Prof. Enrico Evangelista on the occasion of his 70th birthday. Prof. Evangelista has been working in the field of materials science for more than 30 years and has served on the faculty of the *Marche Polytechnic University* of Ancona since 1982. He has been very active in a range of research programs and has published over 300 papers to date, collaborating with several highly regarded scientists in Europe, Asia, Australia and the US. He is a fellow of ASM International and has particularly wide collaborations in the US and Europe.

The conference was intended to serve as a forum for the exchange of ideas between international and, especially, European researchers on the latest developments of severe plastic deformation techniques and thermo-mechanical processing of materials for both structural and functional applications. Areas of interest include both conventional hot and cold deformation of metals as well as recently developed severe plastic deformation processes for the production of ultra-fine and nanostructured materials. Top experts on this field will gather with the mission of enunciating the state of the art and of identifying areas for further research. The total number of attendees and oral presentations was 60 from several different countries: USA, Canada, UK, Spain, Germany, Italy, Hungary, Austria, Norway, Russia, Ukraine, Israel, Korea, Japan. Of these 60 contributions 40 left a manuscript to be published in Mater Sci Forum (Trans Tech Pub, Switzerland).

In particular, the following specific topics were covered:

- i. Multifunctional nanostructured coatings*
- ii. Modelling and recrystallization*
- iii. Nano-structured materials and Severe plastic deformation*
- iv. Hot plastic deformation*
- v. Process Mechanics and Microstructure*