

# ALUMINIUM TWO THOUSAND

7<sup>th</sup> International Congress

17-21 May 2011 Bologna (Italy)

Royal Hotel Carlton

**Friday, 20 May 2011**

## EXTRUSION WORKSHOP

### RECENT ADVANCES IN EXTRUSION TECHNOLOGY

One day course Seminar

organized by Interall and

DM-TECH, Engineering Dept. University of Bologna, Italy

## PRELIMINARY PROGRAM

**Prof. Luca Tomesani:** Introduction to practical and analytical extrusion concepts

**Prof. Lorenzo Donati:** Material flow and friction in direct extrusion

**Ph.d.s. Antonio Segatori:** Charge welds and process performance

**Prof. Luca Tomesani:** Seam welds, welding criteria and profile strength

**Prof. Lorenzo Donati:** Streaks formation mechanisms: a compass for surface aesthetics

**Dr. Barbara Reggiani:** Dies failure modes and die life prediction

**All speakers:** Panel Session

*Prof. Luca Tomesani* received his Master of Science Degree in Mechanical Engineering in 1987 from the University of Bologna. Actually is coordinating the academic and industrial research in the fields of metal forming (in particular the extrusion of light alloys and the formation of seam welds) and casting technologies (in particular the numerical simulation of gravity castings and the evaluation of the boundary heat transfer coefficients), being funded by both public institutions and private companies. He is a member of the Italian Association of Mechanical Technology (AITEM), where he leads the national board on extrusion technology.

*Prof. Lorenzo Donati* Since March 2006 he is University Researcher, (Sector ING/IND-16 Mechanical Technology and Manufacturing Systems) in the "Department of Mechanical, Nuclear, Aeronautical and Metallurgy Engineering (D.I.E.M.)" in the second Faculty of Engineering (Forlì Campus) of Alma Mater Studiorum -University of Bologna.

*Ph.d.s. Antonio Segatori:* Research Doctorate in Engineering

*Dr. Barbara Reggiani:* Research Doctorate in Engineering

For information about fee, please contact:

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