

Preface

COMAT history is relatively short, it started in 2010. COMAT deals with recent trends in structural materials which covers production technologies (casting, forging, rolling...), heat and thermo-mechanical treatments, computer modelling and physical simulations and materials characterisation. The conference was launched by the research institute COMTES FHT a.s. that is very active in the fields covered by COMAT. The idea was to create a base for knowledge sharing among industry and research and academic experts. It is located in the heart of the Pilsen region that is a traditional heavy industry centre in the Czech Republic with rich history spanning over 150 years.

COMAT 2014 was held on November 19th - 21st at the Parkhotel Plzen. The conference was organized by company TANGER s.r.o. and COMTES FHT a.s. COMAT 2014 was the third of the biannually held conferences. It was a great pleasure to welcome 116 persons from 11 countries attending the conference (Czech Republic, Germany, Poland, Slovakia, Russian Federation, Turkey, Thailand, Japan, Kazakhstan, Romania and Republic of Korea). The participants presented 52 lectures and 35 posters. The conference was divided into eight sessions and a poster session. In the current book, 21 papers are selected. We hope the presented papers will be interesting for readers and a good base for inspiration for future developments. We are looking forward to seeing more participants in 2016.

Yours sincerely

Jan DŽUGAN and Zbyšek NOVÝ

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