

Preface

Over 60 % of rolled products are manufactured from cold and hot rolled sheets. The further development of forming processes in combination with joining technologies enables the production of complex components. During the international conference MEFORM 2016, the production and further processing of sheet products will be demonstrated. The knowledge of research and development about new technologies and materials, as well as the modelling of microstructure formation during manufacturing from solidification to the final products will be shown. Another area of focus will be on operational challenges in sheet production.

The conference will connect the sheet metal research and development with the manufacturing companies. It will enable the exchange of experiences between specialists and young engineers, technicians and scientists from industry, research and universities.

Main focuses of the conference:

- Reheating furnace - oxidation and descaling
- Rolling technology and thermo-mechanical treatment for hot strip production
- Thin slab / thin strip cast rolling and twin roll casting
- Cold rolling and annealing of at products
- New materials and refinement of semi-finished products and further processes
- Plant layout for production and processing, control and measurements systems and roll technology
- Mathematical modelling and simulation for fast and detailed process design
- Material characterization

On behalf of the hosts and organizers, we wish to thank the companies and institutions that supported us in organization and realization of this conference. First of all, we would like to thank the authors, who submitted excellent papers and interesting presentations. Their articles have contributed to the enrichment of the conference. Our thanks also goes to the scientific committee, who reviewed all the submitted papers carefully and provided helpful indications. In conclusion, we are particularly pleased about the lively participation in our conference and in this connection we would like to express our grateful thanks to all attendants. Final thanks goes to the members of the Institute of Metal Forming.

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