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Moderator : Lihui Liu, CHTA

Opening Addresses:

Prof. Xinya Li President, China Heat Treatment Association

Eva Troell President, International Federation for Heat Treatment and Surface Engineering

A Wearing Energy Model

Prof. Dongyang Li University of Alberta Edmonton, Canada

Nanostructuring of Steel Surface Layer and Applications

Prof. Yanxiang Zhang Harbin Institute of Technology Harbin, China

A Model to Predict the Microstructural Constituents after Tempering of Corrosion Resistant Martensitic Steels

Simona Kresser University of Applied Sciences Upper Austria Wels, Austria

Multi-scale Design of Modified Layers on the Surface of Tools and Dies and its Applications

Dr. Chengsong Zhang Southwest Jiaotong University Chengdu, China

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Coating Process for High Performance Molds and Dies

Marcus Lartz PD21 France SAS Paris, France

Control of Residual Stress of Intensive Quenching Micro-molding Punches

Prof. Dengyu Gai Harbin Engineering University Harbin, China

Direct laser metal deposition of H13 tool steel in Cu-Be alloy substrate

Massimo Pellizzari, Zhao Zha University of Trento, Dpt. of Industrial Engineering Trento, Italy

Application of Laser Technology in Thermo-chemical Treatments of Tools and Dies

Dr. Yixue Wang Shanghai University of Engineering Science Shanghai, China

Coating Developments for Automotive Dies and PVD Systems

Dr. Zhongzhen Wu Peking University Shenzhen Graduate School Shenzhen, China