

Preface

In 2020, the International Conference on Industrial Engineering (ICIE) was held on 18-22 of May. The spread of the coronavirus COVID-19 made adjustments to our lives that year, including the organization of the ICIE conference. ICIE was held as a virtual conference. Both oral sections and poster sections were organized on-line. Oral sections were implemented as a video conference. Poster sections were in a chat mode.

The conference organizers were South Ural State University (national research university), Platov South-Russian State Polytechnic University, Moscow Polytechnic University, and Volgograd State Technical University.

The conference was organized in 13 sections, including:

Part 1. Mechanical Engineering (Machinery and Mechanism Design; Dynamics of Machines and Working Processes; Friction, Wear, and Lubrication in Machines; Design and Manufacturing Engineering of Industrial Facilities; Transport and Technological Machines; Mechanical Treatment of Materials; Industrial Hydraulic Systems; Green Manufacturing);

Part 2. Materials Engineering and Technologies for Production and Processing (Polymers, Composites and Ceramics; Steels and Alloys, Metallurgical and Metalworking Technologies; Chemical and Hydrometallurgical Technologies; Surface Engineering and Coatings; Processing and Controlling Technologies).

The program committee selected more than 500 reports for participating in the conference. Scientists and practitioners from 18 countries took part in the conference, including representatives of 83 Russian cities from the western and central parts to the Far East regions. International participants represented 43 cities and 17 countries.

The organizing committee would like to express our sincere appreciation to everybody who has contributed to the conference. Heartfelt thanks are due to authors, reviewers, participants, and to all the team of organizers for their support and enthusiasm, which granted success to the conference.

Conference Chair, prof. Andrey A. Radionov.

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