

Preface

The book “The Latest Methods of Construction Design” has been created on the basis of contributions of the 55th International Conference of Machine Design Departments. This book is a follow-up to an earlier very successful book “Modern Methods of Construction Design.”

This conference is one of the oldest central conferences, dealing with methods and applications in the machine design. The main aim of the conference is to provide an international forum where experts, researchers, engineers, and also industrial practitioners, managers, and PhD students can meet, share their experiences, and present the results of their efforts in the broad field of machine design and related fields.

In the year 2014, the Department of Designing and Machine Components, Faculty of Mechanical Engineering, Czech Technical University in Prague, whose members deal above all with machine design, experimental methods and measuring, engineering analyses, and products innovation, organized the 55th International Conference of Machine Design Departments on the occasion of 150th anniversary of Faculty of Mechanical Engineering (CTU in Prague). The mountain town of Beroun in Central Bohemia was chosen for this celebratory event.

Since 1960, when the first conference was organized in Melnik by Brno University of Technology, more than 50 years have passed. The main aim of the conference was to providing an opportunity for professional experiences sharing in the field of machine design, gears, and transmission mechanisms. The heads of Mechanical Design Departments decided to organize these conferences annually first at the national and later at the international level. The significance of the conference has grown. Historically, the conferences were organized in different places by different mechanical design departments of Czech and Slovak technical universities:

1960	Brno University of Technology	<i>Melník</i>
1960	Brno University of Technology	<i>Brno</i>
1962	University of West Bohemia	<i>Pilsen</i>
1963	Slovak University of Technology in Bratislava	<i>Bratislava</i>
1964	Technical University of Liberec	<i>Liberec</i>
1965	Technical University of Kosice	<i>Kosice</i>
1966	Czech Technical University in Prague	<i>Prague</i>
1967	VŠB-Technical University of Ostrava	<i>Ostrava</i>
1968	University of Zilina	<i>Zilina</i>
1969	University of West Bohemia	<i>Pilsen</i>
1970	Brno University of Technology	<i>Brno</i>
1971	Technical University of Zvolen	<i>Žvolen</i>
1972	Slovak University of Technology in Bratislava	<i>Bratislava</i>
1973	Technical University of Liberec	<i>Liberec</i>
1974	Technical University of Kosice	<i>Kosice</i>
1975	Brno University of Technology	<i>Brno</i>
1976	Czech Technical University in Prague	<i>Prague</i>
1977	Czech University of Life Sciences Prague	<i>Prague</i>
1978	University of Zilina	<i>Kysucké Nové Město</i>
1979	Technical University of Liberec	<i>Liberec</i>
1980	Slovak University of Technology in Bratislava	<i>Smolenice</i>
1981	Brno University of Technology	<i>Brno</i>
1982	Technical University in Zvolen	<i>Sachtický</i>
1983	Technical University of Kosice	<i>Michalovce</i>
1984	VŠB-Technical University of Ostrava	<i>Podolanky</i>
1985	Czech Technical University in Prague	<i>Kladno</i>
1986	University of West Bohemia	<i>Pilsen</i>
1987	Slovak University of Technology in Bratislava	<i>Bratislava</i>
1988	Brno University of Technology	<i>Brno</i>
1989	Technical University of Liberec	<i>Liberec</i>
1990	University of Zilina	<i>Papradno</i>
1991	Technical University of Kosice	<i>Herlany</i>
1992	VŠB-Technical University of Ostrava	<i>Tesínské Beskydy</i>
1993	Technical University in Zvolen	<i>Zvolen</i>
1994	Czech Technical University in Prague	<i>Kladno</i>
1995	Brno University of Technology	<i>Brno</i>
1996	University of West Bohemia	<i>Pilsen</i>
1997	Slovak University of Technology in Bratislava	<i>Gabcikovo</i>
1998	Technical University of Liberec	<i>Liberec</i>
1999	University of Zilina	<i>Belúeske Slatiny</i>
2000	Technical University of Kosice	<i>Herlany</i>
2001	VŠB-Technical University of Ostrava	<i>Ostrava</i>
2002	Technical University of Zvolen	<i>Bienská dolina</i>
2003	Czech Technical University in Prague	<i>Prague</i>

(continued)

2004	Brno University of Technology	<i>Blansko</i>
2005	Technical University of Liberec	<i>Sedmihorky</i>
2006	Czech University of Life Sciences Prague	<i>Prague</i>
2007	Slovak University of Technology in Bratislava	<i>Smolenice</i>
2008	University of West Bohemia	<i>Srni</i>
2009	University of Zilina	<i>Techova</i>
2010	Technical University of Kosice	<i>Slovensky Raj</i>
2011	Brno University of Technology	<i>Mikulov</i>
2012	VŠB-Technical University of Ostrava	<i>Sepetna</i>
2013	Technical University of Liberec	<i>Hejnice</i>
2014	Czech Technical University in Prague	<i>Beroun</i>

We firmly believe the tradition of ICMD will continue in the coming years.

Members of conference organizing committee

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