

CONTENTS

<i>Gatzky, Thomas</i> : Perception-oriented product design as a design challenge	5
<i>Herbst, Dániel–Takács, Ágnes</i> : Designing a portable forge	25
<i>Müther, Alexander–Maier, Bernd–Gódor, István–Christiner, Thomas– Stühlinger, René–Trieb, Franz</i> : Development of a design and optimization method for high pressure components	33
<i>Nándori-Tóth, Mária–Kovács, Béla</i> : Kinematic test of mechanisms.....	45
<i>Poroshin, Valery–Bogomolov, Dmitry</i> : Designing the new local defect digital filter for the surface roughness measurement systems	51
<i>Sarka, Ferenc–Döbröczöni, Ádám</i> : Analysis of gear-drives and searching of noise reduction possibilities with the help of graphs	57
<i>Sarka, Ferenc–Döbröczöni, Ádám</i> : Using metal foams in gear-drives to reduce the emitted noise	65
<i>Szávai, Szabolcs–Jónás, Szabolcs–Baptisza, Balázs–Bézi, Zoltán</i> : Online monitoring system for structures at elevated temperature	77
<i>Szávai, Szabolcs–Kovács, Sándor</i> : Development of calculating process for elasto-hydrodynamic spot contact by p-FEM.....	87
<i>Takács, Ágnes</i> : Green principles.....	99
<i>Tóth, Dániel–Szilágyi, Attila–Takács, György</i> : Lifetime analysis of rolling element bearings	105