

CONTENTS

Jerzy Bajkowski: Welcome to 18th Polish-German Seminar.....	5
Konrad Okulicz, Adam Suchodolski, Jerzy Wróbel: Optimization with safety criteria of assembling process in virtual reality environment.....	7
Jerzy Sobolewski, Jarosław Małkiński: The problems of ball screws rigidity estimation.....	13
Michael Rückert: Bildung für eine nachhaltige entwicklung –erarbeitung und umsetzung eines interdisziplinären konzepts für die fachhochschule Köln.....	21
Andrzej Reński, Hubert Sar: Identification of tyres' characteristics and vehicle's yaw moment of inertia on the basis of road tests.....	29
Hans-Dieter Reidenbach: The optical radiation directive: history, present and future....	37
P. Pieniecki: Analyse von geräuschursachen an kugelgewindetrieben.....	59
D. Plep, W. Gornik, M. Knoll, A. Konrad: Adaptives beleuchtungssystem mit hybridlampe.....	65
Michał Makowski, Lech Knap, Wiesław Grzesikiewicz, Janusz Pokorski: Steuernmöglichkeiten eines schwinungssystems mit magnetorheologischen dämpfer (MR).....	73
Kai-Uwe Münch: Common rail, unit pump und unit injector trends in diesel injection technology.....	81
Artur Jankowiak, Hieronim Jakubczak: Influence of crack contour approximation method on calculated fatigue life in semi–elliptical cracks growth analysis.....	87
Heiko Knospe, Georg Wambach: Security modules mobile and automotive applications.....	93
Antoni Szumanowski, Chang Yuhua: Security modules mobile and automotive applications.....	103

Maciej Lukasik, Piotr Kazmierczak, Wojciech Mocko: Study of the motor vehicle headlamp model with electronically shaped lighting beam and its practical verification.....	111
Jerzy Bajkowski, Robert Zalewski: Influence of a single grain material on isotropic hardening parameters of granular structures under compression in uniaxial tensile tests.....	119