Contents

ARCHITECTURE AND URBAN PLANNING
Błażej Ciarkowski
Post-war modernist architecture in Poland as part of the european heritage of twentieth-
-century concrete-based architecture
Krzysztof Ingarden
From Architecture Without Architects to architecture after architects1
Michael Peterek, Susana Restrepo Rico, Yaman Hebbo, Ulrike Reichhardt
Collaborative Planning for Sustainable Urban Infrastructure in Frankfurt am Main 3
Tomasz Rogala
Three proposals for the reconstruction of the eagle pavilion in the Branicki Garden
in Białystok – designs, method selection and execution5
Maksymilian Szpyt, Andrzej Kadłuczka
The use of 3D computer graphics to preserve, reproduce and obtain information relating
to a historically valuable object6
Agnieszka Faustyna Szuta, Jakub Szczepański
The difficult heritage. The reuse of former prison buildings7
Piotr Trojniel
The problem of the architectural adaptations of synagogues in north-eastern Poland
Jerzy Uścinowicz
On the spirit of places of worship – practical ecumenism of the polish cultural borderland 9
CIVIL ENGINEERING
Piotr Górski, Marcin Tatara, Stanislav Pospíšil, Sergej Kuznetsov
Model investigations of the aerodynamic coefficients of iced cables in cable-stayed bridges11
ENVIRONMENTAL ENGINEERING
Tomasz Ściężor
Light pollution as an environmental hazard12
MECHANICS
Aleksander Kuranowski
Electrical power steering – modelling and bench testing14
Maciej Szkoda, Magdalena Satora
The application of failure mode and effects analysis (FMEA) for the risk assessment
of changes in the maintenance system of railway vehicles15

Łukasz Ślusarczyk, Emilia Franczyk	
An analysis of fast-changing phenomena in the cutting zone during the turning of	
a TI-6AL-4V titanium alloy shaft	.173
Łukasz Ślusarczyk, Emilia Franczyk	
The experimental determination of cutting forces in a cutting zone during the orthogonal	
turning of a GRADE 2 titanium alloy tube	.183

