

Contents

The First Critical Infrastructure Protection Research Project in Hungary	1
Tibor Babos	
Weather Forecasting System for the Unmanned Aircraft Systems (UAS) Missions with the Special Regard to Visibility Prediction, in Hungary	23
Zsolt Bottyán, Zoltán Tuba and András Zénó Gyöngyösi	
Tribological Aspects for Reliable Operation of Engineering Surfaces	35
Árpád Czifra and István Barányi	
Human Factor Analysis in Unmanned Aerial Vehicle (UAV) Operations	47
Zoltán Dudás, Ágoston Restas, Sándor Szabó, Károly Domján and Pál Dunai	
Simulation of Laser Alloying Process	59
Imre Felde, Zoran Bergant and Janez Grum	
Hybrid Optimization Approach for Determination of Thermal Boundary Conditions	69
Imre Felde	
Security Research in the Field of Climate Change	79
József Padányi and László Földi	
Critical Transport Infrastructure Protection	91
Attila Horváth and Zágon Csaba	
Evaluation of Differences in the Estimated Recrystallized Volume Using Different Methods Based on EBSD Data	101
András Mucsi and Péter Varga	

Aviation Safety Aspects of the Use of Unmanned Aerial Vehicles (UAV)	113
Bertold Békési, Mátyás Palik, Tímea Vas and Alexandra Halászné Tóth	
Cloud Security Monitoring and Vulnerability Management	123
M. Kozlovsky	
The Effect of Comminution as a Pretreatment Method Used in the Process of Anaerobe Fermentation of Lignocellulose Substrate on Biogas Yield	141
Miklós Horváth	
Experimental Investigation of Stress Distribution in a Tensile Test Specimen, Using a Novel Gripping System for Tensile Testing	153
András Mucsi	
Thermal Image Processing Approaches for Security Monitoring Applications	163
András Rövid, Zoltán Vámosy and Szabolcs Sergyán	
The Doctrinal Base of Operational Employment of Air Defence Missile Units in the Light of the Relevant National and Allied Publications	177
Zoltan Krajnc	

Critical Infrastructure Protection Research
Results of the First Critical Infrastructure Protection
Research Project in Hungary
Nádai, L.; Padányi, J. (Eds.)
2016, VIII, 184 p. 74 illus., 48 illus. in color., Hardcover
ISBN: 978-3-319-28090-5