

CONTENTS

| | |
|--|-----------|
| P. Dumitru, M. Plooreanu, O. Bădescu Modelling the Romanian quasigeoid using EGG97 model, GNSS and levelling measurements | 5 |
| I. E. Keller, M. Munteanu, S. Naş, V. Dohotar Cadastral data integration and spatial analysis for a cadastral sector, UAT Somcuta Mare, Maramures county | 13 |
| A. Koskina, N. Hasanagas The water element as aesthetic factor in landscape design | 21 |
| P.-F. Mursa Forest parameter estimation by LIDAR data processing | 27 |
| A. Negrilă, D. Onose, A. Savu The use of laser scanner for monitoring static tested construction | 37 |
| E. Papadopoulou, C. Ladias, N. Hasanagas, N. Zafiri, A. Diamantopoulos, A. Zacharopoulou, A. Stogianni Quarry Disturbance & Restoration Scenarios: The Prosotsani (Greece) Quarry Case | 45 |
| C. Păunescu, I. C. Ciuculescu, I. E. Barbusoiu Considerations implementation systematically cadastre | 53 |
| C. Păunescu, V. Păunescu, A. C. Anton Comparative study on obtaining coordinates in areas away from circle of zero strain of the Stereographic 1970 System | 59 |
| A. Ilieş, D. Vasilca Fuzzy logic – an alternative to conventional methods for identifying outliers for processing geodetic networks | 65 |
| M. Plooreanu, O. Bădescu, P. Dumitru The vertical atmospheric pressure gradient estimation in the lower terrestrial atmosphere | 74 |
| N. Pop, M. Ortelecan, A. Ciotlăuş, G. Bădescu, R. Bădescu, T. Sălăgean, I. Vereş Considerations on the execution of a collector for wastewater located in the downtown of Cluj-Napoca | 81 |
| E. M. Popa, C. B. Spătar Blunder detection in geodetic networks | 87 |
| A. T.G. Radulescu, Gh. M.T. Radulescu Some aspects of the the monitoring of Incheon grand bridge in a permanent quasi-static regime | 97 |

| | |
|--|------------|
| C. Radulescu, V. M. G.M. Radulescu | 107 |
| Enterprise Resource Planning as Part of an Efficient System in Mining Data Base | |
| Gh. M.T. Radulescu, A. T.G.M.. Radulescu | 115 |
| Considerations regarding structural monitoring, from static to dynamic methods | |
| V.A. Roib | 125 |
| Aspects Regarding the Best Use of Land in Expropriated Real Estate Valuation | |
| M. Roman, I. Neuner | 129 |
| Commissioning and Investigations regarding a Low-Cost GPS Monitoring System | |
| T. Rus, C. Moldoveanu, V. Danciu | 139 |
| Considerations on the State of Romanian National Geodetic Network | |
| A. Sărăcin, C. Coșarcă, A. Jocea | 151 |
| Dam deformation measurements using terrestrial interferometric techniques | |
| A. Savu, C. Didulescu | 161 |
| Processing, analysis and interpretation softwares used for laser scanning. Comparative study | |
| A. Simion (Neagu) | 169 |
| Basic concepts of landslides monitoring using early warning systems | |
| A. Szepes, G. László | 177 |
| 3D GIS solution applied in surveying engineering | |
| C.C. Tereșneu, M.M. Vasilescu | 179 |
| Possibilities to automatize the process of elaboration the cadastral documentation | |
| F. Vătafu Tigănesteanu | 189 |
| A Centrally Managed GIS System for protection of the Romanian Archaeological sites, ensembles and Historical monuments | |
| I. Vorovencii, M. D. Muntean | 197 |
| Evaluation of supervised classification algorithms for Landsat 5 TM images | |
| M. Palamariu, M. Pușcaș | 207 |
| Using Engineering Survey Techniques for the Railways Project in Sierra Leone | |
| C. B. Spatar, C. Spatar, C. R. Spatar | 218 |
| Geocentre motion: terminology and measurement aspects | |