

## CONTENTS

|  |    |
|--|----|
| Priekšvārds .....  | 5  |
| Preface .....  | 7  |
| Raivo Vilu, Tiina Randla. Sustainable Development - Problems of Measurement and Possibilities of Realisation (case study of North - Eastern Estonia) ..... | 9  |
| Gotfrid Novik. Innovation in Environmental Engineering Education at Rezekne Higher Education Institution .....   | 13 |
| Tadeush Chrzan. Recultivation of the Dumping Areas and Water Management on the Example of Brown Coal Open - pit "Konin" .....                              | 18 |
| Tadeush Chrzan, Henryk Greinert. Conceptions of Land Reclamation in the Polish opencast Mining .....   | 26 |
| Issaev V., Oreshnikova N. Extraction of Cristobalite from Milky-white Forms of Quartz stuff .....  | 35 |
| Aruküla H. Evaluation and standartization of Estonian Oil shale Quality Characteristics .....  | 47 |
| Pastarus J. R. Toompea Hill Stability Analysis .....   | 56 |
| Molotkov A., Borisov A. Transformation of an Inference Tree to a Logically Equivalent Neural Network .....   | 67 |
| Savchenko C. Logistics Chain Analysis Based on a Belief Network .....  | 72 |
| Grekov R., Borisov A. Characterization of the Efficiency of the Features Aggregate in Fuzzy Pattern Recognition task .....                                 | 78 |
| Grabusts P. Analysis of the Simulated Annealing Method in classic Boltzmann machines .....   | 81 |