

LIST OF CONTENT

ADMISSION	4
1. Anton PANDA , Volodymyr NAHORNYI , Tadeusz ZABOROWSKI FORECAST OF DANGEROUS EVENTS AND PHENOMENA AS A CONDITION OF HUMAN SAFETY	5
2. Anton PANDA , Iveta PANDOVÁ , Tadeusz ZABOROWSKI TREATMENT OF WATER BY SORPTION FOR ITS SAFE USE	17
3. Jozef MAŠČENIK , Tomáš CORANIČ , Tibor KRENICKÝ , Anton PANDA , Tadeusz ZABOROWSKI INCREASING THE SAFETY OF BELT SLIPPING BY DESIGNING A SUITABLE TENSIONING MECHANISM OF THE BELT TRANSMISSION	23
4. Tomáš CORANIČ , Jozef MAŠČENIK , Tibor KRENICKÝ , Anton PANDA , Tadeusz ZABOROWSKI DESIGN OF THE MACHINE WORK BENCH WITH CALIBRATION USING A GYROSCOPE	30
5. Anton PANDA , Kostiantyn DYADYURA , Liudmyla HREBENYK , Tadeusz ZABOROWSKI DIAGNOSTICS OF THE TECHNICAL CONDITION OF COMPLEX SYSTEMS TO ENSURE THEIR SAFETY BASED ON THE METHOD OF GROWING PYRAMIDAL NETWORKS	36
6. Anton PANDA , Kostiantyn DYADYURA , Igor PROKOPOVICH OPERATION MODELS THAT CONSIDER THE SAFETY OF COMPLEX INTEGRATED MANUFACTURING SYSTEMS	44
7. Tibor KRENICKÝ , Jozef MAŠČENIK , Tomáš CORANIČ , Anton PANDA INFLUENCE OF NANOPARTICLE ADDITIVES IN THE LUBRICANT ON THE OPERATING CHARACTERISTICS OF THE BEARING	52
8. Anton PANDA , Iveta PANDOVÁ , Tadeusz ZABOROWSKI SORPTIVE PROPERTIES OF ZEOLITES AND ENVIRONMENTAL PROTECTION	60
9. Anton PANDA , Patrik SOROČIN , Tadeusz ZABOROWSKI DESCRIPTION OF THE THIN-WALLED ROBOTIC PART PRODUCTION TECHNOLOGY	66
10. Anton PANDA , Konstantin DYADYURA , Igor PROKOPOVICH , Tadeusz ZABOROWSKI OPTIMAL SAFETY MANAGEMENT OF COMPLEX SYSTEMS DURING THEIR OPERATION	76
11. Euboslav STRAKA , Anton PANDA OPERATIONAL SAFETY OF TECHNICAL SYSTEMS	84
12. Euboslav STRAKA , Anton PANDA , Juraj HAJDUK SIMULATION AND OPTIMIZATION OF TECHNICAL EQUIPMENT OPERATION SAFETY	90