

**REFRIGERATING TECHNIQUE,
INTERNAL COMBUSTION ENGINES,
BOILERS AND TURBINES**

SUMMARY

1. GHEORGHE DUMITRU – Optimization of the thermodynamic processes on the base of neural network theory 5
2. MIHAI SIMIONOV – The influences of the cavitation process upon the microhardness of cylinder liners from Diesel engines 11
3. MIHAI SIMIONOV – The evolution of the superficial layer microgeometry in the vibration cavitation cas 17
4. VIOREL POPA, GEORGE ANDREI, SILVIU BURUEANA – Techniques pour la mesure de la temperature dans le domaine cryogenique 25
5. SALVATORE MUGUREL BURCIU – Simulation model for the unsteady flow in a turbocompressor of supercharger units of supercharged Diesel engines 29
6. DAN ANDREI, GEORGE ANDREI – Instalations de sechage conductif des boues des stations d'epuration de l'eau 35
7. DAN ANDREI, GEORGE ANDREI – La comparaison des recherches theoriques avec celles experimentales puor les pulsations de pression du compresseur 2AV-6,5 39
8. CRISTIAN IOSIFESCU – Method and apparatus for controlling and condenser fans in a refrigeration system 43
9. ANA MORARESCU, SILVIU MACUTA, ION BAICU, LORENA TOMESCU – Experimental results on testing new designed spiral propulsion system 49
10. SAVA PORNEALA, CRISTIAN PORNEALA – The performance improvement of ammonia-water absorption and resorption refrigeration systems by internal heat recovery used to produce domestic hot water 53
11. MARCEL DRAGAN, EDUARD CIUCESCU – L'analyse des installations termoenergetiques aus gazes par l'application combine des deux premiers principes de thermodynamique 61