

C O N T E N T S

Chmielniak T. and Kosman G.: Steam turbines for supercritical power plants – design and operation problems	5
Domachowski Z.: An impact of ambient parameters change on steam and gas turbosets control	25
Łuniewicz B. and Kietliński K.: Experience of Alstom Power in large output turboset modernisations in Poland	35
Uhl T., Cholewa W., Kiciński J., Sobera H. and Rydz E.: Monitoring and diagnostic system for high power turbine units	51
Augustyn G. Ł., Batko W. and Wierzbicki J.: Context filtering in diagnostics	67
Badyda K., Bujalski W., Lewandowski J. and Miller A.: Steam turbines identification based on archived process data .	75
Badyda K., Lewandowski J., Kopczyński O. and Miller A.: A concept of thermo-flow state diagnostic system for steam turbines	85
Banaszkiewicz M. and Gerdes R.: Probabilistic approach to lifetime assessment of steam turbines	95
Butrymowicz D. and Trela M.: Problems of condensation heat transfer in power plant heat exchangers	107
Chmielniak T., Łukowicz H., Wróblewski W. and Dykas S.: Numerical prediction of losses in the low pressure last stage blade	119
Dzięcioł E. and Szczepankowski A.: Microwave detector as used to monitor health/maintenance status of aircraft engine's turbine blades in hot gas	129
Feldberg L. A., Semenov V. N. and Popov S. A.: Measurement of dispersivity and moisture content in experimental turbines by optical methods	137
Gampe U., Altmann H., Buchheim G. and Barth G.: Cyclic operation of large-capacity steam turbines	147

Gardzilewicz A., Świryczuk J., Badur J., Karcz M., Werner R. and Szyrejko C.: Methodology of CFD computations applied for analysing flows through steam turbine exhaust hoods	157
Gardzilewicz A., Marcinkowski S., Adamkowski A., Janicki W. and Sobera H.: Measuring of unsteady pressures at the steam turbine exit	169
Głuch J.: On implementation of selected methods of artificial intelligence in expert systems for thermal and flow diagnostics	179
Jonáš P., Mazur O., Řehák V. and Uruba V.: The improvement of the hot-wire anemometer measurement procedure in the LP stage of a full scale steam turbine	191
Karcz M. and Badur J.: An alternative turbulent heat flux modelling for gas turbine cooling application	201
Kiciński J.: Coupled forms of vibrations in rotating machinery ...	213
Kołąkowski L. and Krzyślak P.: Analysis of transient heat transfer operation in tube wall	225
Kosman G., Nawart K. and Kosman W.: Operation decision support regarding components of steam turbines wear in steady state	235
Kosowski K. and Stępień R.: Theoretical investigations into flows in rotor blade shroud clearance	249
Kubiak J., Sierra F., García-Gutiérrez A., Urquiza G., González G.: Algorithms and expert system for the diagnosis of faults for steam, gas turbines and compressors	263