



*CONTENT*

Medved' D. <b>Latent heat Storage Systems</b>	3
Gerbeth A., Gemende B., Schwind M., Bresinsky A., Busse R. <b>Nachhaltige Aquakultur – Erfahrungen aus dem Betrieb einer Frischzucht – Kreislaufanlage</b>	7
Pausch N., Gemende B., Gerbeth A., Engelhardt A., Haupt N., Leiker M. <b>Untersuchungen zur Kompostierung von mit Härtebildnern bzw. Schwermetallen beladenen, chemisch modifizierten Naturfasermaterialien</b>	14
Csányi L'., Krištof V., Kušnír S., Katin M., Marci M. <b>Geothermal Energy</b>	21
Katin M., Krištof V., Kušnír S., Csányi L'., Marci M. <b>Solar Energy</b>	26
Krištof V., Kušnír S., Katin M., Csányi L'., Marci M. <b>Hydro Power Plants in Slovak Republic</b>	30
Kušnír S., Krištof V., Marci M., Katin M., Csányi L' . <b>Pumped Storage Hydro Power Plants in Slovak Republic</b>	35
Marci M., Kušnír S., Krištof V., Csányi L'., Katin M. <b>Biomass and ITS Utilization in Conditions of Slovakia</b>	40
Kvakovský M., Sklenářová V., Medved' . <b>Heat Pumps</b>	46
Sklenářová V., Medved' D., Kvakovský M. <b>Electricity from the Sun – Photovoltaic Electricity</b>	50
Dedinská L., Medved' D. <b>Photovoltaic Solar Energy in Europa</b>	54
Benešová H. <b>Monocrystalline Silicon Technology of the Future-Sliver Modules</b>	58
Šantín V. <b>Influences of Wind Power Plants on Power System</b>	64
Šafařík M., Noháčová L., Královcová V. <b>Fotovoltaic Technology in Conditions of the Czech Republic in 2010</b>	72

Erlebach J.	<b>Climatic Conditions Influence on Conversion Efficiency of Renewable Power Resources</b>	79
Benešová H.	<b>Problems of Utilization of Heat Pumps</b>	83
Noháčová L., Šafařík M.	<b>Ökologischer energetischer Block im Betrieb versorgt Pilsen mit grüner Energie</b>	89
Noháčová L.	<b>Mögliche Müllverbrennungsanlage bei Pilsen</b>	93
Bublík J.	<b>Magnetic Heating of Billets</b>	97
Hromádka M.	<b>Negative Influences on Shielding Effectiveness</b>	101
Ježek V.	<b>Perspective Generator Circuit Breaker</b>	107
Král O.	<b>Optimization of Connection the Secondary Winding of the Auxiliary Normal Transformer in the Nuclear Power Plant</b>	111
Klasna J., Fanta R.	<b>Influence of Electrode Setting to Main Insulation tg<math>\delta</math> Measurement of Turbogenerator Bars</b>	114
Krutina A.	<b>AMR/AMI - Automatic Meter Reading &amp; Advanced Metering Infrastructure</b>	118
Kysela A.	<b>Electromagnetic Interference of High-Voltage Equipment</b>	122
Majer V.	<b>System and Ancilliary Services</b>	127
Šantín V.	<b>Mathematical Modelling of Doubly-fed Asynchronous Generator</b>	134
Vaněk J.	<b>The Electrical Radiant Panels and Radiant Floor Heating</b>	140
Veleba J.	<b>Stability Algorithms for Newton-Raphson Methods in Load Flow Analysis</b>	144
Ščerba E.	<b>Biomass energy usage in the world, Europe and in the Czech Republic</b>	149
<b>Appendixes</b>		
	Photos from excursions and seminars of intensive program	153
	List of participans	155