

## 2010 - Vol1 - Nr. 4

### TABLE OF CONTENTS

Volume I - Nr. 4 from 2010

#### \*\*\*RELIABILITY AND SYSTEMS ENERGY QUALITY SERVICES

##### 1.1. COUPLING FACTOR INFLUENCE ON THE GROUND FAULT CURRENTS ON OVERHEAD AC POWER LINES

VINTAN M., MIHU I., BORLEA I.

##### 1.2. AVAILABILITY PERFORMANCES OF GROUND-COUPLED HEAT PUMP SYSTEMS

FELEA I., BENDEA G., BENDEA C.

#### \*\*\* RENEWABLE SOURCES OF ENERGY. SUSTAINABLE ENERGY TECHNOLOGIES

##### 2.1. INTEGRATED SYSTEM FOR TRAINING OF OPERATING PERSONNEL FROM THERMAL POWER PLANTS THERMALLY DRIVEN COOLING: TECHNOLOGIES, DEVELOPMENTS AND APPLICATIONS

NĂȘĂEZ T.

##### 2.2. DEVELOPMENT OF OFFSHORE WIND FARMS IN ROMANIA

COROIU N.

##### 2.3. PHOTOVOLTAIC POTENTIAL FROM SOLAR DATABASE EVALUATION

BARLA E., BADEA G.E., PORUMB C.

##### 2.4. ULTRA-LOW ENERGY BUILDINGS

IANCAU M., IONESCU G.

## 2.5. CHARACTERIZATION OF CORROSION AND SCALE PROCESSES IN COOLING SYSTEMS

MAIOR I., COJOCARU A., VAIREANU D.I., LINGVAY I., LINGVAY C., CAPRARESCU S.

## \*\*\* EVOLUTION OF POWER ELECTRIC SYSTEMS TRANSPORT AND DISTRIBUTION. ENERGY SYSTEMS PERFORMANCE

### 3.1. METHODS IN OPERATIONAL TRANSMISSION POWER GRID

MORAR D., GUZUN B.

### 3.2. MODELS FOR DESIGN OF ENERGY POWER PLANTS ASSISTED BY NEUROEXPERT INFORMATION SYSTEMS

VAIDA V., CIRICA R.I., MORAR A., POPPER M., POPESCU GH., ANA R.,  
SAVA I., FOCZE I., STELEA N., VADAN M., PACUREANU I.R.

### 3.3. SUMMARY OF THE ENERGY AUDIT PERFORMED ON THE MACHINES THAT DEVELOP ALUMINIUM PARTS BY INJECTION

FELEA I., DAN F.

### 3.4. ENERGY PERFORMANCE ANALYSIS OF THE FIRST RESEARCH-ONLYGROUND COUPLED HEAT PUMP IN ROMANIA

BENDEA CODRUTA, FELEA IOAN, BENDEA GABRIEL

### 3.5. POWER FLOW TRACING METHOD FOR ELECTRICITY TRANSMISSION AND WHEELING PRICING

POP O., KILYENI S., ANDEA P., BARBULESCU C., CRACIUN C.

### 3.6. REDUCING LOSSES IN ELECTRICAL DISTRIBUTION SYSTEMS USING AMORPHOUS TRANSFORMERS

POP G. V., CHINDRIS M., BINDIU R., GECAN C., GHEORGHE D., VASILIU R.

### 3.6. LOWER ENERGY CONSUMPTION IN PUBLIC LIGHTING NETWORKS USING ENERGY EFFICIENT LAMPS AND BALLASTS

VASILIU R.-B., CHINDRIS M., GHEORGHE D., GECAN C., BINDIU R., POP G.

### 3.7. COMPARATIVE LIGHTNING STUDY FOR ART GALLERIES

PORUMB C., BADEA G.E., PANTEA I., BARLA E., CRET P.

### \*\*\* MARKET AND STOCK-MARKET OF POWER. MANAGEMENT OF POWER SYSTEMS

### 4.1. DESIGN OF ENERGY SYSTEMS IN THE SUSTAINABLE DEVELOPMENT MODELLED BY OPERATIONAL RESEARCHES

GHEORGHIU I.D., CARABULEA A., MORAR A., CIRICA I.R.,

POPPER M., VADAN M., STELEA N., PACUREANU I.R.

### 4.2. NEW APPROACH APPLIED TO REDUCE THE VULNERABILITY OF ENERGY SYSTEMS

CARABULEA A., CIRICA I.R., POPPER G.M., MORAR A., PURCAREA A., PACUREANU I.R.

### 4.3. GENERATING OF NEURO-EXPERT SYSTEMS APPLIED IN POWER INDUSTRY

POPPER M.

### 4.4. THE INTERNET INVOLVED IN CUSTOMER RELATIONSHIP MANAGEMENT

TARCA N., CARABAN A., BADEA G., TARCA I., PORUMB C., CRET P.

### 4.5. OPERATIONAL (ECONOMIC) RISK

PAZITOR T.