

| AUTORI STRAINI |     |                                                                                                                                                            |                                                                         |                                                                                                               |     |
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| NR             | COD |                                                                                                                                                            | AUTORI                                                                  | AFILIERE                                                                                                      | OBS |
| 1.             | A01 | RESOURCES AND GLOBAL ECODYNAMICS                                                                                                                           | V.F. KRAPIVIN, C.A. VAROTSOS<br>C. NITU, AND V.YU. SOLDATOV             | RUSSIAN ACADEME OF SCIENCES<br>UNIVERSITY OF ATHENS "POLITECHNICA<br>BUCURESTI RUSSIAN ACADEME OF<br>SCIENCES |     |
| 2.             | A03 | BUS MOVED BY ETHANOL BEST PROJECT –<br>BIOETHANOL FOR SUSTAINABLE<br>TRANSPORTATION                                                                        | MOREIRA, J. R. VELÁZQUEZ, S. M. S. G.<br>SANTOS, S. M. A. COELHO, S. T. | CENBIO – BRAZILIA                                                                                             |     |
| 3.             | A07 | APPLICATION DE LA METHODE AUX<br>DIFFERENCES FINIE<br>AU CALCUL DE LA TEMPERATURE DANS<br>CONDUCTEURS CREUX D'UNE LIGNE<br>MONOPHASEE DE MOYENNE FREQUENCE | Z. PIATEK ET T. SZCZEGIELNIAK                                           | FACULTE D'ÉLECTRICITE, UNIVERSITE<br>TECHNIQUE DE CZESTOCHOWA                                                 |     |
| 4.             | A08 | CHAMP ÉLECTROMAGNETIQUE DANS UNE<br>GAINE TUBULAIRE COMMUNE D'UN<br>SYSTEME DE CONDUCTEURS                                                                 | Z. PIATEK ET D. KUSIAK                                                  | UNIVERSITE TECHNIQUE DE<br>CZESTOCHOWA                                                                        |     |
| 5.             | A09 | THE ASYNCHRONOUS GENERATOR WITH<br>CONDENSER EXCITATION                                                                                                    | V.BERZAN, M.TIRSU, A.BIRLADEANU                                         | ACADEMY OF SCIENCES OF MOLDOVA                                                                                |     |
| 6.             | A10 | INNOVATIVE VARIANT OF PHASE SHIFTING<br>TRANSFORMER (PST)                                                                                                  | L.KALININ, M.TIRSU, D.ZAITSEV                                           | ACADEMY OF SCIENCES OF MOLDOVA                                                                                |     |
| 7.             | A11 | RECOMMENDATIONS ON ACCURACY<br>INCREASE OF NON-DESTROYING QUALITY<br>MONITORING OF PARTIAL DISCHARGE<br>PARAMETERS BASED MEASUREMENT FOR HV<br>CABLES      | MIHAI TIRSU                                                             | ACADEMY OF SCIENCES OF MOLDOVA                                                                                |     |
| 8.             | A12 | MEAN LIFE ESTIMATION OF AN AGED POWER<br>EQUIPMENT GROUP WITH OPERATION DATA<br>SEQUENCE                                                                   | J. TOYODA H. SAITOH K. SAKAMOTO<br>T. CHIDA                             | TOHOKU UNIVERSITY<br>TOHOKU ELECTRIC POWER COMPANY                                                            |     |
| 9.             | A13 | DEVELOPMENT OF AN ENERGETICALLY<br>SELF-SUFFICIENT BUILDING:<br>THEORETICAL MODEL AND EXPERIMENTAL<br>RESULTS                                              | VITO LAVANGAI, STEFANO FARNÉ                                            | MOSAICO EXPERIENCE S.R.L<br>POLITECNICO DI TORINO                                                             |     |
| 10.            | A14 | LOADS AND FORCES ON HYDROELECTRIC<br>POWER-HOUSE DUE TO<br>ELECTROMECHANICAL<br>MACHINES.PRELIMINARY EVALUATION                                            | ALBERTO DE MARZIANI FRANCO<br>PODIO                                     | ENEL PRODUZIONE                                                                                               |     |
| 11.            | A16 | MECHANISM OF CASCADING EMERGENCIES<br>IN ELECTRIC POWER SYSTEMS                                                                                            | N.I. VOROPAI<br>D.N. EFIMOV                                             | ENERGY SYSTEMS INSTITUTE IRKUTSK,<br>RUSSIA                                                                   |     |
| 12.            | A17 | ENERGY SUSTAINABILITY IN BUILDINGS BY<br>CHP-GAS ENGINE<br>DISTRIBUTED GENERATION SYSTEM                                                                   | R.ARGHANDEH JOUNEGHANI<br>M.AMIDPOUR, B.RASHIDIAN                       | UNIVERSITY OF TECHNOLOGY<br>TEHRAN, IRAN                                                                      |     |
| 13.            | A18 | AN ENERGYANALYSIS SYSTEM FOR AUDIT<br>ACTIVITIES<br>IN NON-RESIDENTIAL BUILDINGS                                                                           | A.PRUDENZI,<br>M.DI LILLO,<br>F.CAPUANI                                 | UNIVERSITY OF L'AQUILA<br>ITALY                                                                               |     |

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| 14. | A21        | TRIGENERATION CO2 EMISSION REDUCTION SCENARIO ASSESSMENT                                                                       | GIANFRANCO CHICCO PIERLUIGI MANCARELLA                                | POLITECNICO DI TORINO<br>IMPERIAL COLLEGE LONDON                                                                      |  |
| 15. | A22        | THE MYTH OF THE TRIPLIN HARMONICS                                                                                              | GIANFRANCO CHICCO, PETRU POSTOLACHE CORNEL TOADER                     | POLITECNICO DI TORINO POLITEHNICA DIN BUCUREȘTI                                                                       |  |
| 16. | A24        | A MONTECARLO APPROACH FOR A STUDY ON THE IMPACT OF THE DOMESTIC INSTALLATION OF SMALL PV AND THERMAL SOLAR SYSTEMS ON THE GRID | ANGELO CAMPOCCIA, ELEONORA RIVA SANSEVERINO, GAETANO ZIZZO            | DIPARTIMENTO DI INGEGNERIA ELETTRICA, ELETTRONICA E DELLE TELECOMUNICAZIONI                                           |  |
| 17. | A25        | INTRODUCTION TO THE PLANNING OF THE LVDC NETWORKS                                                                              | T. KAIPIA, P. SALONEN, V. VOUTILAINEN, J. LASSILA, J. PARTANEN        | LAPPEENRANTA UNIVERSITY OF TECHNOLOGY – FINLAND                                                                       |  |
| 18. | A27        | A CELL METHOD BASED ON PMU MEASUREMENTS FOR POWER SYSTEM DYNAMIC MONITORING                                                    | Y.V. Makarov, J. Ma, N. Zhou, C. Miller, T. B. Nguyen E. De Tuglie    | Pacific Northwest National Laboratory<br>Richland, WA - USA                                                           |  |
| 19. | A28        | IMPROVEMENT OF THE ENERGY NETWORKS IN A SMALL TOWN DISTRICT                                                                    | L. GIACCONE, F. ROZZO<br>A. SOZZA, L. SPINOLO<br>M. TARTAGLIA         | POLITECNICO DI TORINO MUNICIPALITY OF TORINO GRADENIGO HOSPITAL, TORINO, GTT GRUPPO TORINESE<br>POLITECNICO DI TORINO |  |
| 20. | A29        | FAULT ANALYSIS OF LVDC DISTRIBUTION SYSTEM                                                                                     | P. SALONEN, T. KAIPIA, P. NUUTINEN, P. PELTONIEMI, J. PARTANEN        | LAPPEENRANTA UNIVERSITY OF TECHNOLOGY – LAPPEENRANTA, FINLAND                                                         |  |
| 21. | A30        | DISTRIBUTED GENERATION-CHP OR DISTRICT HEATING-CHP ?<br>A COMPARISON BETWEEN AVAILABLE TECHNOLOGIES                            | MARCO F. TORCHIO                                                      | DIPARTIMENTO DI ENERGETICA, POLITECNICO DI TORINO                                                                     |  |
| 22. | A32        | OPTIMUM METHOD FOR SUPPLYING REMOTELY LOCATED ELECTRICAL LOADS USING SOLAR ENERGY                                              | DR. YOUSIF EL- TOUS<br>DR.HANI MOHAMMAD<br>DR MOHAMMAD TARIQ BARAKAT  | AL- BALQA APPLIED UNIVERSITY, FACULTY OF ENGINEERING<br>TECHNOLOGY JORDAN                                             |  |
| 23. | A33<br>PPT | RECENT DEVELOPMENTS IN ENERGY MARKETS THE ONTARIO EXAMPLE                                                                      | PUICA NITU                                                            | CIWES                                                                                                                 |  |
| 24. | A35<br>PPT | RISK MANAGEMET IN ENERGY MARKETS                                                                                               | PUICA NITU                                                            | ONTARIO POWER GENERATION INC                                                                                          |  |
| 25. | A36        | DESIGN OF A 15 MW BIOMASS GENERATING PLANT                                                                                     | F. FRESCHI(1), M.FAZZONE(2), P. LAZZERONI (1), M. TARTAGLIA(1)        | (1) DIPARTIMENTO DI INGEGNERIA ELETTRICA, POLITECNICO DI TORINO, TORINO, ITALY                                        |  |
| 26. | A39        | IMPROVEMENT OF THE ENERGY NETWORKS IN A SMALL TOWN DISTRICT                                                                    | L. GIACCONE(1), F. ROZZO(2), A. SOZZA(3), L. SPINOLO(4), M. TARTAGLIA | DIPARTIMENTO DI INGEGNERIA ELETTRICA, POLITECNICO DI TORINO, TORINO, ITALY                                            |  |
| 27. | A41        | THE FUTURE HYBRID RENEWABLE POWER SYSTEM AND ITS GENERATION DISPATCH                                                           | V.I. CIORNEI                                                          | UNIVERSITY OF CYPRUS, NICOSIA, CYPRUS;                                                                                |  |
| 28. | A42        | RELIABILITY ASSESSMENT IN ACTIVE MV DISTRIBUTION NETWORKS WITH POSSIBILITY OF AUTONOMOUS MICROGRIDS                            | S. CONTI, S. RAITI, U. VAGLIASINDI                                    | D.I.E.E.S., UNIVERSITY OF CATANIA,                                                                                    |  |
| 29. | A43<br>PPT | HOW TO EXCHANGE INFORMATION ABOUT THE CONFIGURATION AND STATUS OF AN ELECTRICAL NETWORK BY USING CIM                           | MIHAIL OLTEANU                                                        | CANADIAN INSTITUTE WORLD ENERGY SYSTEM                                                                                |  |

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| 30. | A44 | PRACTICAL WORK IN ENGINEERING<br>THERMODYNAMICS WITHIN THE EUROPEAN<br>HIGHER EDUCATION AREA: A RANKINE<br>POWER MINIATURE PLANT | C.R. CHAMORRO, R.M. VILLAMAÑÁN,<br>J.J. SEGOVIA, M.C. MARTÍN,<br>M.A. VILLAMAÑÁN, D. VEGA-MAZA                                                                                                                                                              | UNIVERSIDAD DE VALLADOLID                                       |  |
| 31. | A45 | GEOHERMAL SPACE HEATING PROJECT IN<br>NORTH-WESTERN SPAIN (GORDONCILLO-<br>LEON) USING A STEADY 30°C AQUIFER                     | C.R. CHAMORRO <sup>A,*</sup> , L. PELÁEZ <sup>A</sup> , J.J.<br>SEGOVIA <sup>A</sup> , M.C. MARTÍN <sup>A</sup> , M.A.<br>VILLAMAÑÁN <sup>A</sup> , R. RICO <sup>B</sup> , A. TORO <sup>B</sup> , L.<br>FERNÁNDEZ <sup>B</sup> , V. DEL BARRIO <sup>C</sup> | <sup>A</sup> GRUPO DE TERMODINÁMICA Y<br>CALIBRACIÓN (TERMOCAL) |  |

# Lucrari Tara

| 0.  | COD  | TITLU                                                                                                                                                      |                                                                                              | AFFIL                                                                                                        | OBS |
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| 1.  | B002 | A SYSTEM FOR THE STORAGE AND RETRIEVAL OF TECHNICAL INFORMATION CORRESPONDING TO POWER INSTALLATIONS                                                       | G. HAZI, A. HAZI, V. MĂLĂIA                                                                  | UNIVERSITY OF BACĂU, ROMANIA,                                                                                |     |
| 2.  | B003 | RESEARCH RESULTS REGARDING THE OPERATIONAL RELIABILITY OF EQUIPMENT FROM HYDRO POWER PLANTS STRUCTURE                                                      | HORA CRISTINA, FELEA IOAN,                                                                   | UNIVERSITY OF ORADEA, ROMÂNIA                                                                                |     |
| 3.  | B005 | CONSIDERATION ON THE RISK CONCEPT FOR THE EXPLOITING PERSONAL OF THE POWER SYSTEMS                                                                         | Ioan FELEA, Nicolae COROIU, Ioan DEMENI, Călin D. SECUI, Gabriel V. BENDEA, Constantin DUBĂU | UNIVERSITY OF ORADEA, ROMÂNIA                                                                                |     |
| 4.  | B006 | SOLAR ENERGY – PERSPECTIVES, TENDENCIES AND CHALLENGES IN ROMANIA                                                                                          | C. ZAHARIA, L. COSTACHESCU,                                                                  | "GHEORGHE ASACHI" TECHNICAL UNIVERSITY OF IASI, FACULTY OF CHEMICAL ENGINEERING AND ENVIRONMENTAL PROTECTION |     |
| 5.  | B007 | EDUCATION INTO ENERGY FIELD APPLIED INTO THE HIGH EDUCATION PROGRAM -ENVIRONMENTAL ENGINEERING                                                             | C. ZAHARIA                                                                                   | "GHEORGHE ASACHI" TECHNICAL UNIVERSITY OF IASI, FACULTY OF CHEMICAL ENGINEERING AND ENVIRONMENTAL PROTECTION |     |
| 6.  | B008 | MODERN THERMAL POWER PLANT ASH DISCHARGE TECHNOLOGIES FOR REDUCING THE ENVIRONMENTAL IMPACT                                                                | ADINA STANCULEA, GHEORGHE PAUNA, CRISTIAN JALBA                                              | ENERGY RESEARCH AND MODERNIZING INSTITUTE - ICEMENERG, BUCHAREST, ROMANIA                                    |     |
| 7.  | B009 | CONCEPT REFERRING TO THE IDENTIFICATION AND ASSESSMENT OF THE TECHNICAL AND TECHNOLOGICAL RISKS, WHICH IS APPLIED TO A TRANSFORMER OF 250MVA, 400/121/22KV | CONSTANTIN RADU                                                                              | SC SMART SA                                                                                                  |     |
| 8.  | B010 | PROMOTION OF ENERGY EFFICIENCY UNDER THE ENERGY MARKET CONDITIONS                                                                                          | VASILE RUGINĂ, MARIA RUGINĂ, ANCA BADEA                                                      | ENERGY RESEARCH AND MODERNIZING INSTITUTE - ICEMENERG, BUCHAREST, ROMANIA                                    |     |
| 9.  | B011 | APPLICATION OF FUZZY MODELING IN RELIABILITY ANALYSIS OF THE ELECTRIC STATIONS                                                                             | DZIȚAC SIMONA, FELEA IOAN,                                                                   | POWER ENGINEERING FACULTY, UNIVERSITY OF ORADEA, ROMÂNIA                                                     |     |
| 10. | B013 | EVENT ANALYSIS FOR THE "BREAKING OF CERAMIC POST INSULATORS" FROM THE STRUCTURE OF 110 KV ROTARY DISCONNECTING SWITCHES                                    | GABRIEL BENDEA, VICTOR CARP, IONEL BOJA, IOAN DEMENI, CODRUȚA BENDEA                         | UNIVERSITY OF ORADEA, ROMÂNIA, ENERY ENGINEERING FACULTY                                                     |     |
| 11. | B014 | OPERATIONAL RELIABILITY OF THE 6-20 KV GRIDS USING SMART SYSTEMS FOR MONITORING AND FAULT CLEARANCE OPERATIONS IN THE GRIDS WITH THE NEUTRAL NON-EARTHED   | DAN BASARAB GUZUN, ALEXANDRU DINA, GHEORGHE COMĂNESCU                                        | UNIVERSITY "POLITEHNICA" BUCHAREST - FACULTY OF ENERGETIC,                                                   |     |
| 12. | B015 | TELECOMMUNICATIONS INFRASTRUCTURES AND POWER LINES                                                                                                         | MIRCEA BOGDAN GAGNIUC                                                                        | UNIVERSITY POLITEHNICA OF BUCHAREST FACULTY OF AUTOMATION CONTROL AND COMPUTERS                              |     |
| 13. | B016 | SOLAR ENERGY CONVERSIONS                                                                                                                                   | MIRCEA BOGDAN GAGNIUC                                                                        | UNIVERSITY POLITEHNICA OF BUCHAREST FACULTY OF AUTOMATION CONTROL AND COMPUTERS                              |     |
| 14. | B017 | HUMAN RELIABILITY ANALYSIS (HRA) IN NUCLEAR POWER SYSTEMS                                                                                                  | CEZAR SCARLAT, CRISTINA PETRONELA SIMION,                                                    | UNIVERSITY "POLITEHNICA" OF BUCHAREST                                                                        |     |
| 15. | B018 | AN UTILITY COMPANY'S APPROACH IN THE NEW SCADA/DMS SYSTEMS DEVELOPMENT                                                                                     | COSTIȚĂ VLAD, ION PĂUN, DANIEL CRĂCIUN, ADRIAN BOBI, MIHAI CONTESCU                          | "ELECTRICA DISTRIBUTIE MUNTENIA NORD"; PRAHOVA, ROMANIA                                                      |     |
| 16. | B021 | EVALUATION OF THE ELECTRIC POWER EQUIPMENT RELIABILITY                                                                                                     | C. NEMEȘ, F. MUNTEANU, D. IVAS                                                               | "GHEORGHE ASACHI" TECHNICAL UNIVERSITY OF IASI, ROMANIA                                                      |     |

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| 17. | B022 | OPTIMAL RELATIONSHIP BETWEEN OPERATION AND MAINTENANCE INTERVALS                                                                                                          | C. NEMEȘ, F. MUNTEANU, V.I. CIORNEI                                                    | "GHEORGHE ASACHI" TECHNICAL UNIVERSITY OF IASI, ROMANIA                                                                         |  |
| 18. | B023 | BUILDING INTEGRATED PHOTOVOLTAICS IN ROMANIA PRESENTATION OF A RESEARCH PROJECT                                                                                           | ANA-MARIA DABIJA, LAURENTIU FARA, SILVIAN FARA, DUMITRU FINTA, IOAN ZAHARIE            | "ION MINCU" UNIVERSITY OF ARCHITECTURE AND URBANISM (UAUIM)                                                                     |  |
| 19. | B024 | EXPERIMENTAL RESEARCHES CONCERNING 110 KV HIGH VOLTAGE DISCONNECTING SWITCHES DAMAGE                                                                                      | VICTOR CARP, NICOLAE COROIU, GABRIEL BENDEA, IOAN DEMENI, ALEXANDRU GOJA, ȘERBAN BUNDA | UNIVERSITY OF ORADEA, ENERGY ENGINEERING FACULTY                                                                                |  |
| 20. | B025 | NEW TECHNOLOGIES FOR HIGH BREAKING CAPACITY FUSES                                                                                                                         | A.PLESCA, E. FURNICA,                                                                  | GH. ASACHI TECHNICAL UNIVERSITY OF IASI                                                                                         |  |
| 21. | B026 | NEW ELECTROMAGNETIC DEVICE TO MAINTAIN THE VOLTAGE LEVEL AT POWER TRANSFORMERS                                                                                            | A.PLESCA, M.ADAM, A.BARABOI, C.PANCU,                                                  | GH. ASACHI TECHNICAL UNIVERSITY OF IASI                                                                                         |  |
| 22. | B028 | POTENTIAL FOR ENERGY COST REDUCTION IN A PULP AND PAPER MILL                                                                                                              | A. HAZI, G. HAZI,                                                                      | UNIVERSITY OF BACĂU, ROMANIA                                                                                                    |  |
| 23. | B029 | ASSESSING OVERHEAD LINES' LIGHTNING EXPOSURE UTILIZING THE ROMANIAN LIGHTNING DETECTION AND LOCALIZATION NETWORK (RDLN)                                                   | ILEANA BARAN, SORIN STOICA,                                                            | UNIVERSITY POLITEHNICA OF BUCHAREST                                                                                             |  |
| 24. | B031 | APPLYING PETRI NETS IN HUMAN RELIABILITY ANALYSIS                                                                                                                         | BASARAB GUZUN, L. BEDREAGĂ,                                                            | "POLITEHNICA" UNIVERSITY OF BUCUREȘTI, FACULTY OF POWER ENGINEERING, DEPARTMENT OF POWER GENERATION AND USE, BUCHAREST, ROMANIA |  |
| 25. | B032 | THE WEB AS A TOOL FOR TRAINING IN THE RENEWABLE ENERGY FIELD                                                                                                              | IOANA OPRIS, LUSINE CARACASIAN,                                                        | ROMANIAN ENERGY POLICY ASSOCIATION                                                                                              |  |
| 26. | B034 | TRENDS OF THE RESEARCH IN THE FIELD OF NON-LINEAR PROCESSES                                                                                                               | Acad. Gleb Dragan                                                                      | Academy of Romania                                                                                                              |  |
| 27. | B035 | THE MODELS FOR SECURITY AND RISK INDICES EVALUATION IN THE ELECTRIC POWER SYSTEMS DEVELOPS                                                                                | DUMITRU IVAS, CIPRIAN NEMEȘ, FLORIN MUNTEANU, CONSTANTIN DARZAN,                       | TECHNICAL UNIVERSITY OF IASI DEPARTMENT OF ELECTRICAL ENGINEERING                                                               |  |
| 28. | B036 | THE MODELS OF RELIABILITY EVALUATION FOR SYSTEMS WITH DEPENDENT ELEMENTS AND VARIABLE STRUCTURE                                                                           | DUMITRU IVAS, CIPRIAN NEMEȘ, FLORIN MUNTEANU, CONSTANTIN DARZAN,                       | TECHNICAL UNIVERSITY OF IASI DEPARTMENT OF ELECTRICAL ENGINEERING                                                               |  |
| 29. | B037 | THE IEEE RTS UTILISATION IN ROMANIA FOR RELIABILITY ANALYSIS OF POWER SYSTEMS: OPPORTUNITY AND DIFFICULTIES                                                               | FLORIN MUNTEANU, CIPRIAN NEMES, D. IVAS                                                | "GHEORGHE ASACHI" TECHNICAL UNIVERSITY OF IASI, ROMANIA                                                                         |  |
| 30. | B038 | INTELLIGENT CONTROLLED SWITCHING INFLUENCE ON THE POWER QUALITY                                                                                                           | FLORIN MUNTEANU, CIPRIAN NEMES                                                         | "GHEORGHE ASACHI" TECHNICAL UNIVERSITY OF IASI, ROMANIA                                                                         |  |
| 31. | B039 | ABOUT POWER FACTOR IN NON-SYMMETRICAL AND NON-SINUSOIDAL SITUATIONS                                                                                                       | MATICA LILIANA MARILENA, MATICA RADU IOAN, COROIU NICOLAE                              | UNIVERSITY OF ORADEA, FACULTY OF ELECTROTECHNICS AND INFORMATICS                                                                |  |
| 32. | B040 | NON-SYMMETRICAL SITUATIONS ANALYSIS FOR ELECTRICAL NETWORKS INSULATORS DIAGNOSE                                                                                           | MATICA RADU IOAN, LILIANA MARILENA MATICA                                              | S.C.ELECTRICA SERVICE S.A. – A.I.S.E. ORADEA                                                                                    |  |
| 33. | B041 | INFORMATION AND COMMUNICATION TECHNOLOGIES: OPPORTUNITIES FOR EDUCATION IN ELECTRICAL SYSTEMS                                                                             | E. MAFTEI, F.P. VLADICESCU,                                                            | UNIVERSITY OF ORADEA, STR. UNIVERSITATII NR.1, ORADEA, ROMANIA                                                                  |  |
| 34. | B042 | SOLUTION FOR THE PREVENTION OF INCIDENTS WITHIN OVERHEAD TRANSMISSION LINES PRODUCED BY BREAKING THE CONTACTS PLATES OF COMPRESSION CLAMPS FOR STEEL-ALUMINIUM CONDUCTORS | CONSTANTIN MATEA, PAUL DĂDULESCU, CRISTIAN CHIPER                                      | C.N.T.E.E. TRANSELECTRICA S.A. BUCUREȘTI                                                                                        |  |
| 35. | B044 | NEURAL NETWORKS IN ENERGY AND ELECTRICITY INDUSTRY: A SURVEY                                                                                                              | RADU CURCA                                                                             | UNIVERSITY "POLITEHNICA" BUCHAREST, DEPARTMENT OF AUTOMATICS AND COMPUTER SCIENCE                                               |  |
| 36. | B045 | INFORMATIONAL SPECIES IN ARTIFICIAL INTELLIGENCE                                                                                                                          | NICOLAE FLOREAN PINTE                                                                  | PINTEL INTELLIGENT SYSTEMS – BUCHAREST, ROMANIA                                                                                 |  |
| 37. | B046 | IT'S TIME FOR THE LINEAR CODE                                                                                                                                             | NICOLAE FLOREAN PINTE                                                                  | PINTEL INTELLIGENT SYSTEMS –                                                                                                    |  |

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|     |      |                                                                                                                                  |                                                                                                   | BUCHAREST, ROMANIA                                                                      |  |
| 38. | B047 | DIGITAL THERMOMETRY MODULE                                                                                                       | NICOLAE FLOREAN PINTE,<br>COSTICĂ NITU, MARIUS OLTEAN                                             | PINTEL INTELLIGENT SYSTEMS –<br>BUCHAREST, ROMANIA                                      |  |
| 39. | B048 | TIS CULTURAL FILTRATION, IMPLEMENTED WITHIN<br>THE DIRECTIONAL RELAY STRUCTURE                                                   | NICOLAE FLOREAN PINTE,<br>COSTICĂ NITU, IOAN DORIN<br>HATEGAN, VLADIMIR HRISTEA,<br>MARIUS OLTEAN | PINTEL INTELLIGENT SYSTEMS –<br>BUCHAREST, ROMANIA                                      |  |
| 40. | B049 | DESIGN AND PROTECTION SOLUTIONS AGAINST<br>INDUSTRIAL FREQUENCY OVERVOLTAGE IN LOW-<br>VOLTAGE POWER GRIDS                       | NICOLAE FLOREAN PINTE, MIRCEA<br>TĂMAȘ, EMIL MERDAN, DUMITRU<br>TOADER, IOAN DORIN HATEGAN        | PINTEL INTELLIGENT SYSTEMS –<br>BUCHAREST, ROMANIA                                      |  |
| 41. | B050 | OPTIMAL MANAGEMENT OF RESOURCES FOR<br>GREENHOUSE CLIMATE                                                                        | ALEXANDRU DUMITRAȘCU                                                                              | UNIVERSITY "POLITEHNICA" OF<br>BUCHAREST,<br>AUTOMATIC CONTROL AND<br>COMPUTERS FACULTY |  |
| 42. | B052 | MODELING OF ENERGY CONSUMPTION BASED ON<br>WEATHER INDICATORS                                                                    | ANDA SABENA DOBRESU, ION<br>CĂCIULĂ,                                                              | UNIVERSITY POLITEHNICA OF<br>BUCHAREST                                                  |  |
| 43. | B054 | THE INFLUENCE OF REHABILITATION MEASURES<br>OVER THE COMPETITIVENESS OF COMBINED HEAT<br>AND POWER SYSTEMS                       | L. RUIENANU, I. MIRCEA, I.<br>GOȘEA                                                               | UNIVERSITY OF CRAIOVA, FACULTY OF<br>ELECTRICAL ENGINEERING                             |  |
| 44. | B055 | NEW METHODS AND ASPECTS FOR THE<br>ASSESSMENT OF THE MAGNETIC FIELD OF THE<br>OVERHEAD POWER LINES                               | MARILENA UNGUREANU, ILEANA<br>BARAN,                                                              | UNIVERSITY POLITEHNICA OF<br>BUCHAREST, DEPARTMENT OF POWER<br>SYSTEMS                  |  |
| 45. | B056 | WHY NEW PRODUCT DEVELOPMENT PROCESS<br>DIFFERS DEPEND ON INNOVATIVE TYPE THE IMPACT<br>OF KNOWLEDGE PRODUCTION DURING NPDP       | CRISTINA MIHAELA GHEORGHE,<br>LUCIA GABRIELA SANDOVICI,                                           | POLITEHNICA UNIVERSITY OF<br>BUCHAREST                                                  |  |
| 46. | B059 | CONSIDERATIONS CONCERNING THE THERMAL<br>COMPUTATION OF SOME STEAM BOILERS OBTAINED<br>BY TRANSFORMATION OF THE TUBULAR FURNACES | AUREL GABA, DIANA ENESCU,<br>NICOLAE GAGEA                                                        | DEPARTMENT OF MECHANICAL<br>ENGINEERING, "VALAHIA" UNIVERSITY<br>OF TARGOVISTE          |  |
| 47. | B060 | RMS VOLTAGE STATIONARITY ANALYSIS. PRACTICAL<br>RESULTS BASED CASE STUDY                                                         | APETREI D., GOLOVANOV N.,<br>POSTOLACHE P.                                                        | ELECTRICA S.A BUCUREȘTI                                                                 |  |
| 48. | B061 | QUALITY MANAGEMENT IN ENERGY INDUSTRY – THE<br>DATA PROBLEM                                                                      | APETREI D., PINTEA V.,                                                                            | ELECTRICA S.A BUCUREȘTI                                                                 |  |
| 49. | B064 | SOME ASPECTS ABOUT DETERMINATION OF<br>FOULING THERMAL RESISTANCE FOR A STEAM<br>CONDENSER                                       | GRIGORE ROXANA                                                                                    | UNIVERSITY OF BACAU                                                                     |  |
| 50. | B065 | RECONFIGURATION OF DISTRIBUTION NETWORKS<br>WITH DISTRIBUTED GENERATION BY PARETO<br>OPTIMALITY AND A GENETIC ALGORITHM          | BOGDAN TOMOIAGĂ, MIRCEA<br>CHINDRIȘ, CIPRIAN BUD                                                  | NATIONAL POWER GRID COMPANY<br>"TRANSELECTRICA" – TRANSPORT<br>BRANCH CLUJ, ROMÂNIA     |  |
| 51. | B066 | CONTRIBUTIONS REGARDING THE MAINTENANCE<br>OPTIMIZATION OF POWER PLANT STEAM CONDENSER                                           | GRIGORE ROXANA, HAZI<br>GHEORGHE                                                                  | UNIVERSITY OF BACAU                                                                     |  |
| 52. | B068 | CONGESTION EVALUATION IN COMPLEX POWER<br>SYSTEMS USING PROBABILISTIC POWER FLOW                                                 | VUC GHEORGHE, KILYENI STEFAN,<br>ARDELEAN ILIE, BARBULESCU<br>CONSTANTIN,                         | "POLITEHNICA" UNIVERSITY OF<br>TIMISOARA                                                |  |
| 53. | B071 | ELECTROMAGNETIC COMPATIBILITY LEARNING FOR<br>ELECTRIC POWER ENGINEERS IN POLITEHNICA<br>UNIVERSITY OF BUCHAREST                 | S. COATU, M. COSTEA, D.C.<br>RUCINSCHI                                                            | UNIVERSITY POLITEHNICA OF<br>BUCHAREST                                                  |  |
| 54. | B073 | THE ROLE OF ELECTRICITY CERTIFICATION IN THE<br>POLICY OF PROMOTION CLEAN SOURCES OF<br>ENERGY                                   | GEORGETA STĂNCIULESCU,<br>MIHAELA JIȘA, NADINA STANCIU                                            | ROMANIAN ENERGY REGULATORY<br>AUTHORITY - ANRE                                          |  |
| 55. | B074 | MATLAB SIMULATIONS FOR THE OPTIMIZATION OF<br>THE REACTIVE POWER COMPENSATION IN<br>ELECTRICAL DISTRIBUTION NETWORKS             | ALEXANDRU BĂLOI, ADRIAN PANĂ,                                                                     | POLITEHNICA UNIVERSITY OF<br>TIMIȘOARA, FACULTY OF ELECTRICAL<br>ENGINEERING            |  |
| 56. | B078 | ROBOT COMMUNICATION INTERACTION WITH<br>COLOUR MARKERS                                                                           | CEZAR POPA, RADU PENTIUC,<br>ȘTEFAN – GHEORGHE PENTIUC,<br>ADRIAN GRAUR,                          | UNIVERSITY "ȘTEFAN CEL MARE"<br>SUCEAVA                                                 |  |
| 57. | B083 | ATP-MODEL OF A FAULT LOCATOR FOR<br>TRANSMISSION LINES                                                                           | M. ISTRATE, M. GUȘĂ,                                                                              | TECHNICAL UNIVERSITY GHEORGHE<br>ASACHI OF IAȘI, ELECTRICAL                             |  |

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| 58. | B086 | THE ROMANIAN ELECTRICITY MARKET IN THE EUROPEAN FRAMEWORK                                                                                     | OVIDIU IVANOV, MIHAI GAVRILAȘ,                                                                  | TECHNICAL UNIVERSITY „GH. ASACHI” IAȘI, ROMANIA                                   |  |
| 59. | B087 | STATE ESTIMATION WITH PHASOR MEASUREMENT DATA                                                                                                 | IONUȚ RUSU, MIHAI GAVRILAȘ, OVIDIU IVANOV                                                       | TECHNICAL UNIVERSITY „GH. ASACHI” IAȘI, ROMANIA                                   |  |
| 60. | B088 | RES & RUE TWINNING IN ROMANIAN INDUSTRY: RELEVANT CASE STUDIES                                                                                | MIHAI - MARIUS VORONCA                                                                          | ROMANIAN ENERGY EFFICIENCY FUND                                                   |  |
| 61. | B089 | STATISTICAL ANALYSIS OF FUNCTIONAL PARAMETERS OF THE HIGH VOLTAGE CIRCUIT BREAKERS TYPE IO 110...400KV                                        | PAUL MIHAI MIRCEA, ION MANEA, ION MIRCEA                                                        | UNIVERSITY OF CRAIOVA                                                             |  |
| 62. | B092 | ARTIFICIAL NEURAL NETWORKS APPLICATIONS FOR VOLTAGE STABILITY MONITORING                                                                      | C. BULAC, M. EREMA, I. TRIȘTIU, L. TOMA, B. OTOMEGA                                             | UNIVERSITY POLITEHNICA OF BUCHAREST<br>ELECTRIC POWER ENGINEERING DEPARTMENT      |  |
| 63. | B093 | THE URBISTIC CONCEPT AND SUSTAINABLE DEVELOPMENT OF URBAN ELECTRIC NETWORKS                                                                   | LAURENTIU-CONSTANTIN LIPAN<br>PETRU POSTOLACHE                                                  | UNIVERSITATEA POLITEHNICA BUCUREȘTI, FACULTATEA DE ENERGETICA                     |  |
| 64. | B094 | THE IMPORTANCE OF POWER QUALITY                                                                                                               | MONICA IORGULESCU                                                                               | RADET                                                                             |  |
| 65. | B095 | LOAD-FREQUENCY CONTROL - RESPONSABILITY, MONITORING, TESTING                                                                                  | DOINA ILISIU                                                                                    | C.N. TRANSELECTRICA S.A. - UNO-DEN                                                |  |
| 66. | B096 | SCADA SYSTEM FOR MONITORING OF THE TECHNICAL PARAMETERS OF THE ELECTRICAL ENERGY QUALITY AND FOR THE COMPUTATION OF THE CONTINUITY INDICATORS | HERMINA ALBERT , NICOLAE GOLOVANOV, VALENTIN RASCANU, VALENTIN BRANESCU, DAN PAUN, CLAUDIU PAUN | - ISPE BUCUREȘTI,                                                                 |  |
| 67. | B097 | STUDY ON THE ROMANIAN COMMUNICATION ISSUES WITH RESPECT TO MANAGEMENT PRACTICES IN ENERGY SECTOR                                              | ANCA ALEXANDRA PURCAREA, DOINA CORINA SERBAN, LECTURER ELENA FLEACA                             | MANAGEMENT DEPARTMENT, "POLITEHNICA" UNIVERSITY OF BUCHAREST, ROMANIA             |  |
| 68. | B098 | ENERGY ENTERPRISES RISK MANAGEMENT - GUIDELINES FOR INCREMENTAL AND ITERATIVE IMPLEMENTATION                                                  | SIMONA LOUISE VORONCA                                                                           | CN TRANSELECTRICA BUCUREȘTI                                                       |  |
| 69. | B099 | RISK IDENTIFICATION AND PRIORITISATION IN THE EUROPEAN ELECTRICITY SECTOR                                                                     | SIMONA LOUISE VORONCA                                                                           | CN TRANSELECTRICA BUCUREȘTI                                                       |  |
| 70. | B100 | ELECTROMAGNETIC COMPATIBILITY RELATION WITH ENVIRONMENT FOR THE CASE OF OVERHEAD ELECTRIC LINES                                               | GH. MAGUREANU, RADU PORUMB                                                                      | UNIVERSITATEA POLITEHNICA DIN BUCUREȘTI, FACULTATEA ENERGETICA,                   |  |
| 71. | B101 | LOAD MANAGEMENT SYSTEM FOR A BIG CONSUMER                                                                                                     | IONUT BURLOIU, NICOLAE GOLOVANOV, VIOREL PIRON                                                  | UNIVERSITY POLITEHNICA OF BUCHAREST                                               |  |
| 72. | B102 | NOVEL INSTRUMENT TRANSDUCERS FOR POWER SYSTEM MEASUREMENTS. THE INTERFACE WITH PROTECTION RELAYS                                              | MARIUS DEACONU, NICOLAE GOLOVANOV,                                                              | UNIVERSITY POLITEHNICA OF BUCHAREST                                               |  |
| 73. | B106 | THE POWER SYSTEM WITH PHOTOVOLTAIC (PV) CELL SOURCE                                                                                           | ELEONORA DARIE                                                                                  | TECHNICAL UNIVERSITY OF CIVIL ENGINEERING, ELECTROTECHNICAL DEPARTMENT, BUCHAREST |  |
| 74. | B107 | THE MICRO NETWORK CONCEPT                                                                                                                     | ELEONORA DARIE                                                                                  | TECHNICAL UNIVERSITY OF CIVIL ENGINEERING, ELECTROTECHNICAL DEPARTMENT, BUCHAREST |  |
| 75. | B109 | ENERGETIC EFFICIENCY INCREASE IN S.C. CARPATCEMENT HOLDING S.A. BICAZ BRANCH                                                                  | MONICA BERNEA                                                                                   | CARPATCEMENT HOLDING S.A                                                          |  |
| 76. | B110 | ELECTRICAL EQUIPMENT MONITORING AND DIAGNOSE THROUGH ELECTROMAGNETIC RADIATION FIELD                                                          | MONICA ROTARIU, ADRIAN BARABOI, MARICEL ADAM, CATALIN PANCU,                                    | "GH. ASACHI" TECHNICAL UNIVERSITY OF IAȘI                                         |  |
| 77. | B111 | A COMPREHENSIVE ASSESSMENT OF THE SOLUTIONS OF THE DISTRIBUTION SYSTEM MINIMUM LOSS RECONFIGURATION PROBLEM                                   | HORIA ANDREI, ION CACIULA, GIANFRANCO CHICCO                                                    | UNIVERSITATEA "VALAHIA" TARGOVISTE, ROMANIA                                       |  |
| 78. | B112 | ASSESSING THE PERFORMANCE OF MICROTURBINE CLUSTERS                                                                                            | ADRIAN-VALENTIN BOICEA, GIANFRANCO CHICCO, PIERLUIGI MANCARELLA                                 | UNIVERSITATEA POLITEHNICA DIN BUCUREȘTI, FACULTATEA DE INGINERIE ELECTRICĂ        |  |

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| 79. | B113     | POWER/ENERGY SAVING POTENTIAL EVALUATION IN DISTRIBUTION NETWORKS BY FUZZY TECHNIQUES                                                                                                                                  | GH. CARTINA GH. GRIGORAS, E.C. BOBRIC                             | TECHNICAL UNIVERSITY "GH. ASACHI" OF IASI, ELECTRICAL ENGINEERING FACULTY, ROMANIA       |  |
| 80. | B114     | THE CLUSTERING TECHNIQUES IN THE DETERMINATION OF THE POWER LOSSES IN RADIAL NETWORKS                                                                                                                                  | GH. CARTINA, GH. GRIGORAS, V. ALEXANDRESCU                        | TECHNICAL UNIVERSITY "GH. ASACHI" OF IASI, ELECTRICAL ENGINEERING FACULTY, IASI, ROMANIA |  |
| 81. | B115     | OPTIMAL INVESTMENTS IN ELECTRIC NETWORKS BASED ON ECONOMIC ANALYSIS                                                                                                                                                    | C.-L. COSTEA, GH. CARTINA, GH. GRIGORAS                           | E-ON MOLDOVA, IASI, ROMANIA                                                              |  |
| 82. | B116     | OPTIMAL DECISIONS IN THE REPLACEMENT OF OLD DISTRIBUTION TRANSFORMERS BY EFFICIENT TRANSFORMERS IN DISTRIBUTION NETWORKS                                                                                               | C.-L. COSTEA, GH. CARTINA, GH. GRIGORAS                           | E-ON MOLDOVA, IASI, ROMANIA                                                              |  |
| 83. | B117     | SIMULATION AND COMPUTING OF POWER DELIVERY SYSTEMS RELIABILITY                                                                                                                                                         | M. DUMITRESCU                                                     | "DUNAREA DE JOS" GALATI UNIVERSITY. ELECTRICAL ENGINEERING DEPARTMENT                    |  |
| 84. | B118     | POWER LOSSES COMPUTING AND OPTIMIZATION IN A POWER DISTRIBUTION SYSTEM                                                                                                                                                 | M. DUMITRESCU, T. MUNTEANU,, G. GURGUIATU,, C. VLAD,              | "DUNAREA DE JOS" GALATI UNIVERSITY.                                                      |  |
| 85. | B123     | SECURING DATA COMMUNICATION CHANNEL IN POWER SYSTEMS                                                                                                                                                                   | ȘERCĂIANU DANIEL, ȚIUCRA-POPA FLORIN CĂTĂLIN,                     |                                                                                          |  |
| 86. | B124     | ENVIRONMENTAL IMPACT OF COLD PLASMA DISCHARGES                                                                                                                                                                         | E. HNATIUC, R. BURLICA, B. HNATIUC, G. TODIRASI,                  | TECHNICAL UNIVERSITY "GH. ASACHI" IASI, ROMANIA                                          |  |
| 87. | B126     | ROUTING ALGORITHM FOR PROCESS OPERATORS                                                                                                                                                                                | IULIAN VIRTEJANU                                                  | UNIVERSITATEA POLITEHNICA BUCURESTI                                                      |  |
| 88. | B127     | THE FUNCTION POWER SYSTEM STABILIZER ADDITIONAL SIGNAL INFLUENCE OF THE RAT STRUCTURE FOR A BETTER STATISTICAL AND TRANSITIONAL STABILITY CONCERNING UP-DATING THE IRON GATES HYDRO GENERATORS                         | Ion MIRCEA, Paul Mihai MIRCEA , Sabin MISCHIE                     | University of Craiova                                                                    |  |
| 89. | B129     | ASSET MANAGEMENT AND THE DECISION-MAKING PROCESS -CURRENT ASPECTS WITHIN ROMANIA'S ELECTRICITY TRANSMISSION GRID                                                                                                       | CIPRIAN DIACONU, MARIAN FLOREA, CHRISTIANA BARBULESCU             | NATIONAL POWER GRID COMPANY TRANSELECTRICA S.A.                                          |  |
| 90. | B130     | THE TRANSITION TO 400KV - THE CHARACTERISTIC OPERATIONAL CONDITIONS FOR THE ELECTRICAL SUBSYSTEM ADMINISTRATION BY ST TIMISOARA                                                                                        | DANA MIHAELA POP, ILIE ARDELEAN, NICOLAE CHIOSA                   | C.N.T.E.E. TRANSELECTRICA S.A., TRANSMISSION SUBSIDIARY TIMISOARA                        |  |
| 91. | B131     | THE FORMING OF THE SPECIALIST IN TODAY'S WORK ENVIRONMENT                                                                                                                                                              | SANDA TAINA, MARIA- LIANA BERLOVAN, CORNEL ERBASU                 | CN TRANSELECTRICA SA – ST PITESTI                                                        |  |
| 92. | B132     | MODERN SOLUTIONS USED FOR 400/220 KV SLATINA SUBSTATION REHABILITATION                                                                                                                                                 | NECULAE POPESCU, MANUELA FLOREA, MARIN DUMITRU, EMILIA STOICESCU, | CN TRANSELECTRICA SA – ST PITESTI                                                        |  |
| 93. | B134     | THE IMPORTANCE OF INITIAL FINGERPRINT DETERMINATION OF THE MEDIUM VOLTAGE AND HIGH VOLTAGE CIRCUIT BREAKERS RECENTLY INSTALLED IN THE NATIONAL POWER SYSTEM IN THE CONTEXT OF PASSING TO RELIABILITY BASED MAINTENANCE | ION IONESCU, IRINA RACOVITAN,                                     | SC FILIALA ICEMENERG SA                                                                  |  |
| 94. | B135     | TECHNOLOGY STATUS OF GEOTHERMAL DISTRICT HEATING                                                                                                                                                                       | MARCEL G. ROSCA                                                   | UNIVERSITY OF ORADEA, FACULTY OF ENERGY ENGINEERING, ORADEA, ROMANIA                     |  |
| 95. | B136 PPT | SYSTEM FOR QUALITY MONITORING IN DISTRIBUTION NETWORKS                                                                                                                                                                 | LILIANA SIRGHIE, FERENC CSULAK, NICOLAE MURARIU, BODAN CHITESCU,  | E.ON MOLDOVA DISTRIBUTIE WESC 2008,IASI                                                  |  |
| 96. | B137     | RESEARCHES REGARDING THE GENERATION OF ELECTRICAL ENERGY FROM LOW AND MEDIUM WIND POTENTIAL                                                                                                                            | MANDIS IOANA CORINA, ROBESCU DAN NICULAE, BARGLAZAN MIRCEA        | UNIVERSITY POLITEHNICA OF BUCHAREST, POWER ENGINEERING FACULTY, ROMANIA,                 |  |
| 97. | B139     | POWER QUALITY PERMANENT MONITORING                                                                                                                                                                                     | C. STANESCU, C. PISPIRIS, J.                                      | POWER GRID COMPANY                                                                       |  |



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|      |      | SYSTEMS IN ROMANIA                                                                                                      | WIDMER, P. POSTOLACHE,                                                         | TRANSELECTRICA                                                                         |  |
| 98.  | B140 | APPLICATION OF PLANT-SPECIFIC DATA COLLECTION FOR EVALUATION OF RATES FOR PRE-INITIATORS HUMAN FAILURE ON CERNAVODA NPP | BEATRICE ROSU                                                                  | CNE CERNAVODA                                                                          |  |
| 99.  | B141 | APPLICATION OF PSA STUDY AT CERNAVODA NPP UNIT 1                                                                        | BEATRICE ROSU                                                                  | CNE CERNAVODA                                                                          |  |
| 100. | B142 | CONSIDERATIONS REGARDING THE OPERATIVE EVALUATION OF NOXES CONCENTRATIONS                                               | ILIE VASILE, ASAFTEI C.,                                                       | E.ON MOLDOVA S.A.,                                                                     |  |
| 101. | B143 | UNADJUSTING THE THERMAL LOAD – THE TECHNO-ECONOMIC AND ENVIRONMENTAL IMPACT                                             | ILIE VASILE, ASAFTEI C.,                                                       | E.ON MOLDOVA S.A.,                                                                     |  |
| 102. | B144 | ESTIMATION OF DISTORTIONAL OPERATION CONDITION IMPACT ON POWER TRANSFORMERS RELIABILITY                                 | IOAN FELEA, CĂLIN SECUI, EMIL DALE                                             | UNIVERSITY OF ORADEA,                                                                  |  |
| 103. | B145 | RESTRUCTURATION DES FLUX D'ACTIVITE INTERDEPARTEMENTALE DANS LA GESTION DES CATASTROPHES CHEZ CN TRANSELECTRICA         | CECILIA BARBULE                                                                | CN TRANSELECTRICA SA                                                                   |  |
| 104. | B146 | MONITORING OF A SHUNT REACTOR 100MVAR, FROM ST SIBIU                                                                    | V. METIU, V. ZAHARESCU,, A. MORARU, G. MORARU,, D. MORAR                       | CNTEE,,TRANSELECTRICA"-SA, SIBIU TRANSMISSION SUBSIDIARY,                              |  |
| 105. | B147 | AN ASSET MANAGEMENT SYSTEM FOR THE ENERGY SISTEM                                                                        | P. PUIU, A. BARABOI, M. ADAM                                                   | UNIVERSITY OF BACAU                                                                    |  |
| 106. | B148 | WIDE AREA SECONDARY NETWORK FOR THE ROMANIAN POWER SYSTEM                                                               | IOAN P. VIZITEU, MARIA VIZITEU, ALEXANDRU MIRON                                | TELETRANS SA, ROMANIA                                                                  |  |
| 107. | B149 | THERMAL NETWORK CALCULATION FOR INDETERMINATE SITUATIONS                                                                | MUGUREL ROTARIU, EUGENIU VOINEA, MONICA ROTARIU                                | "GH. ASACHI" TECHNICAL UNIVERSITY OF IAȘI, FACULTY OF ELECTRIC ENGINEERING             |  |
| 108. | B150 | HUMAN RELIABILITY MODELING USING MARKOV CHAINS                                                                          | VASILE MUGUREL ROTARIU, EUGEN OLIMPIU VOINE, MONICA ROTARIU,, CATALIN DIACONU, | TECHNICAL UNIVERSITY OF IASI, ROMANIA                                                  |  |
| 109. | B151 | CONSIDERATION REGARDING REMOTE CONTROL OF THE POWER SUBSTATIONS BELOGING TO THE ROMANIAN TSO COMPANY                    | CIPRIAN DIACONU, IOAN T. POP, MIHAELA NITU, CALIN MUNTEANU,                    | CNTEE TRANSELECTRICA SA                                                                |  |
| 110. | B152 | INTERNATIONAL AND NATIONAL ISSUES CONCERNING THE ENVIRONMENTAL CHALLENGES AND SOCIAL ASPECTS IN HIGH VOLTAGE NETWORKS   | D. CRISTESCU,, M. COSTEA,                                                      | UNIVERSITY POLITEHNICA OF BUCHAREST                                                    |  |
| 111. | B153 | ANALYSIS OF OVERHEAD LINES BEHAVIOR TO DIRECT LIGHTNING STROKES                                                         | IULIANA HRISCU, MIRCEA GUSA AND M. ISTRATE                                     | E.ON MOLDOVA DISTRIBUTIE IASI,                                                         |  |
| 112. | B154 | SOFTWARE APPLICATION TO CREATE AND MANAGE STATIC LOAD MODELS TO IMPROVE ELECTRIC NETWORK ANALYSIS                       | VIRGIL ALEXANDRESCU, GH. CĂRȚINĂ, GH. GRIGORAȘ                                 | „GH. ASACHI” TECHNICAL UNIVERSITY OF IAȘI, POWER ENGINEERING DEPARTMENT, IAȘI, ROMANIA |  |