

EC 1: POWER LINES ELEMENTS

Chairman: Prof. dr Dragan TASIĆ, Elektronski fakultet, Niš, Serbia

TUESDAY, 27.09.2016 HALL 2

Preferential Subject 1: Modern power lines elements construction in urban and rural environment

09:15-09:30

R-1.01 THREE PHASE TRANSFORMERS WITH IRON COIL CORE

S. JOVIĆ, V. STANOJEVIĆ, V. MARKOVIĆ, PD "EPS Distribucija" d.o.o. Beograd, Serbia

09:30-09:45

R-1.02 CURRENT TRANSFORMER APPLIED AS SUPPLYING SYSTEM FOR ELECTRONIC MEASURING EQUIPMENT

K. KASAŠ-LAŽETIĆ, D. HERCEG, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Novi Sad, N. PETROVIĆ, d.o.o.

"Energobull", Novi Sad, T. PAPIĆ, ODS "EPS Distribucija" d.o.o. Beograd, Beograd, M. PRŠA, Novi Sad, Serbia

09:45-10:00

R-1.03 SIMPLE AND EFFECTIVE SOLUTION FOR REHABILITATION OF CONDITIONS FOR VOLTAGE REGULATIONS IN DISTRIBUTION NETWORK

A. LEMEZ, Energo-Group d.o.o, Istočno Sarajevo, A. SIMOVIĆ, Elektrotehnički fakultet, Univerzitet u Istočnom Sarajevu, Bosnia & Herzegovina

10:00-10:15

R-1.04 MODERN DEVICES IN DISTRIBUTION NETWORK

D. OBRADOVIĆ, J.P. EPS – Tehnički centar Novi Sad - Sektor održavanja EEO VN i MM, Serbia

10:15-10:30

R-1.05 SEMICONDUCTOR TRANSFORMER AS A SOLUTION FOR SMART DISTRIBUTION NETWORK

Đ. MARJANOVIĆ, Visoka tehnička škola strukovnih studija Požarevac, Z. JEREMIĆ, EPS Snabdevanje, Serbia

10:30-10:45

R-1.06 THE INFLUENCE OF THE DESIGN AND LAYING CONDITIONS ON THE CURRENT RATING OF CABLES

A. ĐORĐEVIĆ, J. STANOJEVIĆ, Global Substation Solutions, Serbia

10:45-11:00 R-1.07

TRANSFORMER AND SWITCHGEAR OUTER CONE BUSHINGS AND CABLE CONNECTION EQUIPMENT FOR 72,5 Kv

J. GERLITZ, G. WEISS, Nexans Power Accessories Germany GmbH, Germany

Preferential Subject 2: Reliability, diagnosis and strategy for power lines elements maintenance

11:30-11:45

R-1.08 OVERVOLTAGE DURING MANIPULATION ON SWITCH DISCONNECTOR IN GAS INSULATED SUBSTATION "NOVI KALENIC" 35/20KV

D. RISTIVOJEVIĆ, Ogranak "RB Kolubara", Površ. kopovi, S. VUKOVIĆ, "RB Kolubara", Ogranak Projekt, V. PAJIĆ, Ogranak "RB Kolubara", Površ. kopovi, Serbia

11:45-12:00

R-1.09 POWER TRANSFORMER CONDITION INDEXING AS A ASSET MANAGEMENT TOOL

D. ILIĆ, J. LAZIĆ, V. VASOVIĆ, B. PEJOVIĆ, Đ. JOVANOVIĆ, J. LUKIĆ, S. MILOSAVLJEVIĆ, Elektrotehnički institut "Nikola Tesla", Beograd, Serbia

12:00-12:15

R-1.10 SINGLE LINE DIAGRAM OF HV/MV SUBSTATIONS IN "EPS DISTRIBUCIJA" AND PROPOSALS FOR THEIR RECONSTRUCTION

D. PERIĆ, Vipos, Valjevo, M. TANASKOVIĆ, ODS "EPS Distribucija" d.o.o. Beograd, V. KRNAJSKI, JP "Elektromreža Srbije", Beograd, Serbia

12:15-12:30

I-1.11 RECONSTRUCTION OF TS 20 / 0,4 kV TYPE "TIN" IN THE CENTER OF CITY ON THE AREA BRANCH ARANĐELOVAC

D. PETROVIĆ, G. ŽIVKOVIĆ, JP EPS, Tehnički odsek Aranđelovac, I. MIHAJLOVIĆ, ODS "EPS Distribucija" d.o.o. Beograd, ogranak Aranđelovac, Serbia

12:30-12:45

I-1.12 OVERHAUL OF 110 kV SF6 SWITCHGEAR

M. AKSENTIJEVIĆ, N. STOJANOVIĆ, S. MEĐO, ODS "EPS Distribucija" d.o.o. Beograd, Serbia

12:45-13:00

R-1.13 DISSOLVED GAS ANALYSIS – IMPORTANCE IN DIAGNOSTIC OF TRANSFORMER CONDITION

V. VASOVIĆ, D. MIHAJLOVIĆ, J. JANKOVIĆ, K. DRAKIĆ, J. LUKIĆ, Elektrotehnički institut "Nikola Tesla", Beograd, Serbia

13:00-13:15

R-1.14 METHODS OF RECONSTRUCTION THE FOUNDATIONS OF TRANSMISSION TOWERS THREATENED BY LANDSLIDES

DŽ. IMŠIROVIĆ, A. TOKIĆ, I. BEGIĆ, "Elektroprenos BiH" a.d. Banja Luka, Operativno područje Tuzla, Bosnia & Herzegovina

WEDNESDAY, 28.09.2016 HALL 2

Preferential Subject 3: Design and testing of power lines elements

09:00-09:15

R-1.15 NORMAL AND EMERGENCY OPERATION IN CABLE NETWORK 110 kV

M. TANASKOVIĆ, PD "Elektrodistribucija Beograd", Beograd, Serbia

09:15-09:30

R-1.16 CROSS BONDING-A / SELECTION OF THE OPTIMAL 110 kV CABLE CROSS SECTION IN CITY AREAS AND ANALYZES JUSTIFICATION OF THE USAGE CROSS-BONDING

I. MITIĆ, Elektrotehnički fakultet u Beogradu, JP Elektromreža Srbije, M. BOROVIĆ, JP Elektromreža Srbije, I. MILANOV, Elektroistok projektni biro, Beograd, Serbia

09:30-09:45

R-1.17 SELF AND MUTUAL IMPEDANCES OF POWER CABLES

M. STOJANOVIĆ, D. TASIĆ, N. CVETKOVIĆ, Univerzitet u Nišu, Elektronski fakultet, Niš, Serbia

09:45-10:00

R-1.18 APPLICATION OF MODERN FEM SOFTWARE TOOLS FOR DETERMINING EARTHING RESISTANCE, TOUCH VOLTAGE AND STEP VOLTAGE

S. STANIŠIĆ, Informatika a.d, Z. RADAKOVIĆ, Elektrotehnički fakultet, Univerzitet u Beogradu, Serbia

10:00-10:15

I-1.19 STANDARDIZATION OF SUPPLEMENTARY EARTHED POLES FOR MEDIUM VOLTAGE OVERHEAD DISTRIBUTION LINES PERFORMED BY BARE CONDUCTORS

M. OBRADOVIĆ, D. JOVANOVIĆ, ODS "EPS Distribucija" d.o.o Beograd, Đ. GLIŠIĆ, Serbia

10:15-10:30

I-1.20 ADDITIONAL EQUIPMENT AND MEASURING INSTRUMENTS FOR DIAGNOSTICS OF THE STATUS OF METAL OXIDE MEDIUM AND HIGH VOLTAGE SURGE ARRESTORS

V. OSTRACANIN, EPS, Tehnički centar Kraljevo, S. ĐUROVIĆ, ODS EPS distribucija, ogranak Kraljevo, D. ĆETENOVIĆ, Fakultet tehničkih nauka Čačak, Serbia

10:30-10:45

I-1.21 TESTING ACCESSORIES FOR LV ABC APPLICABLE TO EUROPEAN STANDARDS AND PROBLEMS WITH APPLICATION IN SERBIA

M. PETROVIĆ, ODS EPS distribucija, ogranak Jagodina, Serbia

Preferential Subject 4: Influence of power lines elements on the environment

11:30-11:45

R-1.22 LEVELS OF NON-IONIZING RADIATION IN VICINITY OF 110/X kV SUBSTATIONS

M. GRBIĆ, D. HRVIĆ, A. PAVLOVIĆ, M. PETROVIĆ, B. VULEVIĆ, Elektrotehnički institut "Nikola Tesla", Beograd, Serbia

11:45-12:00

R-1.23 CHOICE OF TOWERS IN ELECTRIC POWER DISTRIBUTION NETWORKS REGARDING ECOLOGICAL ASPECT

A. MITROVIĆ, Schneider Electric DMS NS, Novi Sad, K. KASAŠ-LAŽETIĆ, N. ĐURIĆ, D. KLJAJIĆ, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Novi Sad, M. PRŠA, Novi Sad, Serbia

12:00-12:15

R-1.24 DECONTAMINATION OF PCB CONTAMINATED POWER TRANSFORMERS IN PD ELEKTROVOJVODINA

J. LUKIĆ, K. DRAKIĆ, N. KOVAČEVIĆ, J. JANKOVIĆ, S. MILOSAVLJEVIĆ, Elektrotehnički institut "Nikola Tesla", Beograd, D. VORGIĆ, ODS "EPS Distribucija" d.o.o., Beograd, D. MATIĆ, JP EPS, Beograd, Serbia

12:15-12:30

I-1.25 POWER TRANSFORMERS TRANSPORT

M. RISTIĆ, I. JAGODIĆ, JP Elektroprivreda Srbije, Beograd, B. TASIĆ Energoremont Beograd, Z. RISTIĆ, PEP, Beograd. D. VUKSANOVIĆ, Institut za standardizaciju Srbije, Beograd, Serbia

12:30-12:45

I-1.26 MEASURING THE NOISE LEVEL OF POWER TRANSFORMERS

M. RISTIĆ, I. JAGODIĆ, I. BULATOVIĆ, JP Elektroprivreda Srbije, Beograd, J. LAZIĆ, Institut Nikola Tesla, Beograd, Z. RISTIĆ, PEP, Beograd, D. VUKSANOVIĆ, Institut za standardizaciju Srbije, Beograd, Serbia

EC 2: POWER QUALITY AND ELECTROMAGNETIC COMPATIBILITY

Chairman: Prof. dr Vladimir KATIĆ, Fakultet tehničkih nauka Novi Sad, Serbia

WEDNESDAY, 28.09.2016 HALL 1

Preferential Subject 1: Quality of delivered power (voltage quality) - higher harmonics, flicker, voltage sags, short breaks and other deviations in consumer supply – causes, expansion, immunity, elimination

09:15-09:30

R-2.01 HOW TO REACH THE PRESTIGIOUS RELIABILITY AND QUALITY OF ELECTRICITY SUPPLY

D. ČOMIĆ, D. CVETINOV, M. POROBIĆ, Ž. TANJGA, S. MILIVOJEV, "EPS Distribucija", Ogranak elektrodistribucija Novi Sad, Novi Sad, Serbia

09:30-09:45

R-2.02 ANALYSIS OF POWER DELIVERY QUALITY INDICATORS IN DEES SERBIA

M. BAČLIĆ, ODS "EPS Distribucija" d.o.o. Beograd, Distributivno područje Novi Sad, Serbia, M. RADIĆ, JP EPS Beograd, Tehnički centar, Novi Sad, Serbia, Ž. POPOVIĆ, ODS "EPS Distribucija" d.o.o, Beograd, Ogranak "ED Subotica", Subotica, Serbia

09:45-10:00

R-2.03 NETWORK AND USER INTERACTION ON POWER QUALITY

J. ČARNIĆ, EPS, Distributivno područje Novi Sad, Novi Sad, Serbia, R. MILANKOV, EPS, Distributivno područje Novi Sad, pogon Zrenjanin, Kikinda, Serbia, M. RADOSAVLJEV, EPS, Distributivno područje Novi Sad, Novi Sad, Serbia

10:00-10:15

R-2.04 ANALYSIS OF THE QUALITY OF ELECTRICITY IN THE DEREGULATED POWER SYSTEM

B.ČUPIĆ, Visoka škola elektrotehnike i računarstva strukovnih studija, Beograd, Serbia, A.MARKOVIĆ, Agencija za energetiku Republike Srbije, Beograd, Serbia, Ž.MARKOVIĆ, Elektroprivreda Srbije, Beograd, Serbia, B.GRUJIĆIĆ, Elektromreže Srbije, Beograd, Serbia, B.ARSIĆ, Elektromreže Srbije, Beograd, Serbia

10:15-10:30

R-2.05 QUALITY IN INDUSTRIAL SECTOR

I. RAMLJAK, J.P "Elektroprivreda HZ-HB" d.d., Mostar, Bosnia and Herzegovina

10:30-10:

45 R-2.06 ISSUES OF VOLTAGE MEASUREMENTS AT MEDIUM VOLTAGE NETWORK WITH NON-SINUSOIDAL VOLTAGE

D. ČOMIĆ, EPS Distribucija, Ogranak Elektrodistribucija Novi Sad, Novi Sad, Serbia, D. PEJIĆ, Z. MITROVIĆ, B. ANTIĆ, P. SOVILJ, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Novi Sad, Serbia

10:45-11:00

R-2.07 MEASURING HIGHER HARMONICS AT THE FACULTY OF TECHNICAL SCIENCES IN NOVI SAD

V. A. KATIĆ, Z. ĆORBA, D. MILIĆEVIĆ, B. DUMNIĆ, B. POPADIĆ, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Novi Sad, Serbia

11:30-11:45

R-2.08 ANALYSIS OF INDUCED ELECTROMOTIVE FORCE IN PHASE CONDUCTORS OF DISTRIBUTION OVERHEAD LINE CAUSED BY PHASE-TO-GROUND FAULT ON HIGH VOLTAGE TRANSMISSION OVERHEAD POWER LINE

M. GRBIĆ, A. PAVLOVIĆ, D. SALAMON, Elektrotehnički fakultet, Univerzitet u Beogradu, Beograd, Serbia

Preferential Subject 2: Devices and methods for measuring and monitoring power quality (diagnostic methods, equipment, steps, etc.)

11:45-11:00

R-2.09 INTRODUCING THE OUTDOOR DEVICE FAMILY DEVELOPED BY OUR COMPANY THAT CAN LOG THE POWER QUALITY OF A 0,4 KV THREE-PHASE NETWORK VIA GPRS TELEMETERING (EN 50160)

I. ČASAR, Villbek D.o.o., Segedin, Hungary, K.PALUŠEK, Palušek inženjering, Segedin, Hungary

11:00-12:15

R-2.10 THE SEMONT SYSTEM UTILIZATION FOR HIGH-FREQUENCY EMF MONITORING IN VICINITY OF 110/x kV "NOVI SAD 7" POWER SUBSTATION

G.NEDIĆ, Elektroprivreda Srbije, Novi Sad, Serbia, D. ANTIĆ, D. KLJAJIĆ, N. ĐURIĆ, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Novi Sad, Serbia

Preferential Subject 3: Domestic and European power quality technical regulations (standardization, technical regulations and methods)

12:15-12:30

R-2.11 POWER QUALITY AND REGULATIONS

R. MILANKOV, EPS, Distributivno područje Novi Sad, pogon Zrenjanin, Kikinda, Serbia 15

Preferential Subject 5: Influence of insufficient quality to consumers operating – voltage sags, short breaks and other deviations in consumer supply – causes, expansion, immunity, elimination

12:30-12:45

R-2.12 ANALYSIS OF IMPACT OF REACTIVE POWER COMPENSATION MALFUNCTION ON WORKING OF MODERN STATIC ELECTRICITY METERS

B. HOLIK, EPS Distribucija, Beograd, Srbija, S. MARČETA, EPS Distribucija, Serbia

12:45-13:00

R-2.13 ERRORS OF AUTOMATIC VOLTAGE REGULATION WITH EXAMPLES

S. SPREMIĆ, J.P. EPS, Tehnički centar N.Sad - Sektor održavanja EEO VN i MM, Novi Sad, Serbia

Preferential Subject 6: Over-voltage and over-voltage protection in power distribution networks, electromagnetic compatibility

13:00-13:15

R-2.14 PROBLEMS IN RADIAL MEDIUM VOLTAGE NETWORKS WITH ISOLATED NEUTRAL POINT CAUSED BY FERRORESONANCE

S. MILORADOVIĆ, M. STANKOVIĆ, P.D."Termoelektrane i kopovi Kostolac" d.o.o., Kostolac, Serbia

13:15-13:30

R-2.15 AN OVERVOLTAGE PROTECTION PROBLEM OF THE 35 KV SUBSTATION WITH INSULATED NEUTRAL CONNECTED TO OVERHEAD LINE IN MOUNTAINOUS REGIA

M.SAVIĆ, R. KOVAČIĆ, M. ŽARKOVIĆ, Elektrotehnički fakultet u Beogradu, Beograd, Serbia, M. MIJIĆ, Elnos BL, Banja Luka, Bosna and Herzegovina, M. BANJANIN, Elektrotehnički fakultet u Istočnom Sarajevu, Istočno Sarajevo, Bosnia and Herzegovina

THURSDAY, 29.09.2016 HALL 1



Preferential Subject 8: Small power plants and other renewable energy sources work and attachment (distributed generators) and power quality

09:00-09:15 R-2.16 ANALYSIS OF SOLAR POWER PLANT IMPACT ON DISTRIBUTION NETWORK POWER QUALITY

H.SALKIĆ, A. BIJEDIĆ, A.SOFTIĆ, JP EP BiH Elektrodistribucija Tuzla, Tuzla, Bosnia and Herzegovina

09:15-09:30

R-2.17 SIMULTANEOUS IMPACT OF PHOTOVOLTAIC SYSTEMS AND ELECTRIC VEHICLES ON HARMONIC DISTORTION OF CURRENTS IN URBAN DISTRIBUTION SYSTEMS

D. TOVILOVIĆ, N. RAJAKOVIĆ, Elektrotehnički fakultet, Univerzitet u Beogradu, Beograd, Serbia

09:30-09:45 R-2.18 VOLTAGE REGULATION AT LOW VOLTAGE NETWORKS WITH DISTRIBUTED GENERATION

I. DIMITRIJEVIĆ, EPS Distribucija, Direkcija za upravljanje DEES, Novi Sad, Serbia, S. SPREMIĆ, J.P. EPS, Tehnički centar N.Sad, Sektor održavanja EEO VN i MM, Novi Sad, Serbia

09:45-10:00

R-2.19 TECHNICAL CONNECTION CONDITIONS AND MULTI LEVEL INVERTORS IN DISTRIBUTED ENERGY SOURCES

N. SAVIĆ, V.A. KATIĆ, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Novi Sad, Serbia

EC 3: MANAGEMENT AND PROTECTION

Chairman: mr Dušan VUKOTIĆ, ODS "EPS Distribucija" Beograd, Serbia

TUESDAY, 27.09.2016 HALL 3

9:15-09:30

R-3.01 OPTIMAL STRATEGY FOR HIGHER RELIABILITY IN DISTRIBUTION NETWORKS

Ћ. POPOVIĆ, Fakultet tehničkih nauka Novi Sad, EPS Distribucija, S. KNEŽEVIĆ, Schneider Electric DMS NS, B. BRBAKLIĆ, Schneider Electric DMS NS, Serbia

09:30-09:45

I-3.02 RELIABILITY IMPACT OF POWER DISTRIBUTION AUTOMATION IN THE CONSUPTION AREA OF VOJVODINA

A. BOŠKOVIĆ, B. RADMILOVIĆ, ODS "EPS Distribucija" d.o.o, Serbia

09:45-10:00

I-3.03 RECOMMENDATIONS IN THE DEFINITION OF EQUIPMENT FOR REMOTE CONTROL MV NETWORK

V. MIJATOVIĆ, M. RADUNOVIĆ, ODS "EPS Distribucija doo", Ogranak Elektrodistribucija Sombor, Serbia

10:00-10:15

R-3.04 THE AUTOMATIZATION OF SN NETWORK THROUGH INSTALLATION OF CIRCUIT BREAKER (RECLOSER) - REALIZATION AND PROTECTION FUNCTIONALITY

S. MANDIĆ, S. MILIVOJEV, M. POROBIĆ, EPS distribucija doo Beograd, Ogranak ED Novi Sad, Novi Sad, Serbia

10:15-10:30

R-3.05 ALIGNMENT OF PROTECTION AND LOCAL AUTOMATIC SMART GRID 20 kV WITH THE WORK TECHNIQUES OF EARTHING SWITCHES

M. RADUNOVIĆ, V. MIJATOVIĆ, ODS "EPS Distribucija doo", Ogranak Elektrodistribucija Sombor, Serbia

10:30-10:45

R-3.06 SPECIFIC EVENT IN CASE OF SHUNT OPERATION

D. CVETINOV, Ž. TANJGA, ODS "EPS Distribucija" d.o.o. Beograd, Ogranak "ED Novi Sad", Novi Sad, Serbia

10:45-11:00

R-3.07 INTEGRATION OF FAULT PASSEGE INDECATORS (FPIS) WITHIN SCADA SYSTEM OF DCC "BELGRADE"

D. VUKOTIĆ, G. ŤIVADINOVIĆ, ODS "EPS Distribucija" d.o.o. Beograd, Serbia

11:30-11:45

R-3.08 USAGE OF TOUCHSCREEN TECHNOLOGY IN SYSTEMS FOR LOCAL MONITORING AND CONTROL OF POWER STATION

D. VOJNOVIĆ, "EPS Distribucija" d.o.o, N. JEMUOVIĆ, A. CAR, Institut "Mihajlo Pupin – Automatika" Beograd, M. KUZMANOVIĆ, G. JOVANOVIĆ, M. MALETIN, "EPS Distribucija" d.o.o, Serbia

11:45-12:00 I-3.09

SUBSTATION RETROFIT EXPERIENCES USING PROCESS BUS (HARD FIBER) TECHNOLOGY

S. SHOARINEJAD, Araz Energy, Azerbaijan, J. SECO, J. CARDENAS, GE Digital Energy, Spain

12:00-12:15

R-3.10 DETERMINATION OF SINGLE PHASE TO GROUND FAULT CURRENT DISTRIBUTION ALONG OVERHEAD TRANSMISSION LINE

N. MUČALICA, S. LOLIĆ, ODS "EPS Distribucija" d.o.o. Beograd, Serbia

12:15-12:30

R-3.11 FAULT CURRENT CALCULATION ON THE OCCURRENCE OF AN ASYMMETRICAL LOAD WITHIN THE MVDN OFF CITY OF BELGRADE

G. ŽIVADINOVIĆ, D. VUKOTIĆ, ODS "EPS Distribucija" d.o.o. Beograd, Serbia

12:30-12:45

R-3.12 MUTUAL INTERDEPENDENCE BETWEEN OPERATIONAL WORK AND COMMUNICATION INFRASTRUCTURE IN DC 110 / 35kV

M. JOVANOVIĆ, Z. JOVANOVIĆ, "EPS distribucija", d.o.o Beograd, Serbia

12:45-13:00

R-3.13 TELECOMMUNICATION SUBSYSTEM WITHIN POWER DISTRIBUTION NETWORK AUTOMATIZATION SYSTEM IN THE CONSUMPTION AREA OF VOJVODINA  
S. DUBAČKIĆ, A. BOŠKOVIĆ, ODS "EPS Distribucija" d.o.o, Serbia

13:00-13:15

R-3.14 CONSTRUCTION SUPERVISION OF DISTRIBUTION SUBSTATIONS BY WEB

ORIENTED SOFTWARE

V. PUSTAHIJA, R. GRAOVAC, V. JOVANOVIĆ, ENERGOPROJEKT ENTEL a.d, Serbia

13:15-13:30 R-3.15

ANALIZA GUBITAKA PO DELOVIMA KONZUMA ODS KORIŠĆENJEM GIS TEHNOLOGIJE  
J. STEVIĆ, V. STOJIĆIĆ, ODS "EPS Distribucija", Beograd, Serbia

EC 4: DISTRIBUTED PRODUCTION AND EFFICIENT USE OF POWER

Chairman: dr Željko POPOVIĆ, ODS "EPS Distribucija" Beograd, Serbia

WEDNESDAY, 28.09.2016HALL 3

Preferential Subject 1: Integration of distributed power sources

11:45-12:00

R-4.01 INFLUENCE OF DISTRIBUTED GENERATION ON ELECTRICAL ENERGY LOSSES  
IN DISTRIBUTION NETWORK  
M. ŠARIĆ, A. ČOLAKOVIĆ, N. RAHIMIĆ, A. BOLOBAN, JP EP BiH d.d. Sarajevo, Podružnica  
"Elektrodistribucija" Mostar, Bosnia & Herzegovina

12:00-12:15

R-4.02 THE IMPACT OF VARIABILITY PV DISTRIBUTED SOURCE ON VOLTAGE  
CONDITIONS OF LOW VOLTAGE NETWORK  
J. GAJOVIĆ, S. MIJAJLOVIĆ, EPCG, FC Distribucija, Montenegro

12:15-12:30

R-4.03 MODELING AND SHORT-CIRCUIT ANALYSIS OF DISTRIBUTION SYSTEMS WITH  
LARGE NUMBER OF THREE-PHASE INVERTER BASED DISTRIBUTED GENERATORS  
L. STREZOSKI, V. KATIĆ, B. DUMNIĆ, Fakultet tehničkih nauka, Novi Sad, Serbia

12:30-12:45

R-4.04 ANALYSIS OF ELECTRICAL ENERGY DISTRIBUTION LOW VOLTAGE NETWORKS  
WITH CONNECTED MICRO AND MINI SOLAR POWER PLANT IN THE MUNICIPALITY  
TEŠANJ- BIH  
S. JUSIĆ, F. BEGOVIĆ, JP "Elektroprivreda BiH" d.d. Sarajevo, Podružnica

"Elektrodistribucija" Zenica, Bosnia & Herzegovina

12:45-13:00

R-4.05 OPTIMAL STRUCTURE OF INTERMITTENT RENEWABLE ENERGY SOURCES IN THE BANAT REGION

B. ŠKRBIĆ, Ž. ĐURIŠIĆ, Univerzitet u Beogradu Elektrotehnički fakultet, Serbia

12:00-13:15

R-4.06 THE INCREASE OF ELECTRICITY DISTRIBUTION NETWORK CAPACITY FOR INTEGRATION OF DISTRIBUTED GENERATION

A. BOSOVIĆ, N. HASANPAHIĆ, M. MEHOVIĆ, M. MUSIĆ, JP Elektroprivreda BiH d.d. Sarajevo, Bosnia & Herzegovina

13:15-13:30

R-4.07 ENERGY STORAGE IN SUPPORT TO THE INTEGRATION OF WIND POWER SYSTEM

J. STANOJEVIĆ, Global Substation Solutions, Ž. ĐURIŠIĆ, Elektrotehnički fakultet Beograd, M. MITROVIĆ, WSP | Parsons Brinckerhoff, A. ĐORĐEVIĆ, Global Substation Solutions, Serbia

THURSDAY, 29.09.2016 HALL 2

09:00-09:15

R-4.08 THE INVESTMENT JUSTIFICATION ESTIMATE AND THE TECHNOECONOMIC ASPECTS ANALYSIS OF PHOTOVOLTAIC POWER PLANT CONSTRUCTION IN REPUBLIC OF SERBIA

D. MILIĆEVIĆ, B. DUMNIĆ, B. POPADIĆ, Z. ČORBA, Fakultet tehničkih nauka, Novi Sad, B. JANKOVIĆ, EPS Distribucija, Ogranak "ED Zrenjanin", Serbia

09:15-09:30

R-4.09 COMPARATIVE ANALYSIS OF THE ECONOMIC BENEFITS OF INTERMITTENT RENEWABLE ENERGY SOURCES IN COMPLIANCE WITH THE FREE MARKET

J. KUŠIĆ, JP Elektromreža Srbije, Ž. ĐURIŠIĆ, Elektrotehnički fakultet Beograd, Serbia

09:30-09:45

I-4.10 INTELLIGENT MANAGEMENT OF DISTRIBUTION GRIDS

D. RIESENBERG, Mauell GmbH, W. FRIEDRICH, T. LINNEMANN, Germany

Preferential Subject 2: Efficient use of power and load management

09:45-10:00

R-4.11 POSSIBILITY OF ENERGY SAVINGS BY THE CONTROL OF THE COOLING SYSTEM OF OILIMMERSED POWER TRANSFORMERS

Z. RADAKOVIĆ, U. RADOMAN, N. ĐORĐEVIĆ, Elektrotehnički fakultet, Univerzitet u Beogradu, Serbia

10:00-10:15

R-4.12 GENERAL MATHEMATICAL MODEL FOR CALCULATION OF THE ECONOMIC CROSS SECTION OF CABLES FOR CONNECTING WIND FARMS ON THE ELECTRIC POWER SYSTEM

A. ĐORĐEVIĆ, Global Substation Solutions, Ž. ĐURIŠIĆ, Elektrotehnički fakultet Beograd, Serbia

10:15-10:30

I-4.13 INSTALLATION OF POWER CABLES IN THE THERMAL INHOSPITABLE

D. MALEŠEVIĆ, Z. JANKOVIĆ, ZP "Elektrokrajina" a.d. Banja Luka, M. ZELJKOVIĆ, MH "Elektroprivreda Republike Srpske" a.d. Trebinje, Bosnia and Herzegovina

10:30-10:45

R-4.14 OPTIMAL CONTROL OF ENERGY CONSUMPTION AND STORAGE SYSTEMS WITH U SMART DISTRIBUTED ENERGY SOURCES

D. KOTUR, J. MIKULOVIĆ, Univerzitet u Beogradu – Elektrotehnički fakultet, Serbia

10:45-11:00

R-4.15 OPTIMAL DEMAND MANAGEMENT IN THE PRESENCE OF PHOTOVOLTAIC POWER PLANT AND ENERGY STORAGE

V. DURKOVIĆ, Univerzitet Crne Gore, Elektrotehnički fakultet, Montenegro; Univerzitet u Beogradu, Elektrotehnički fakultet, Serbia, N. RAJAKOVIĆ, Univerzitet u Beogradu, Elektrotehnički fakultet, Serbia

11:30-11:45

R-4.16 DECOMPOSITION OF DAILY LOAD DIAGRAM FOR MANAGING CONSUMPTION  
A. JEVTIĆ, Elektrotehnički fakultet Beograd Srbija, Ž. JEVTIĆ, B. NIJEMČEVIĆ, EPS  
Distribucija Beograd, Serbia

Preferential Subject 3: Smart meters and systems use for remote control and reading of meters

11:45-12:00

R-4.17 ROUGH SET THEORY AS A TOOL FOR FRAUD DETECTION OF ELECTRICITY  
CUSTOMERS  
J. SPIRIĆ, Leskovac, Srbija, S. STANKOVIĆ, JP "Elektroprivreda" Srbije, Tehnički centar Niš,  
Srbija, M. DOČIĆ, JP "Elektroprivreda" Srbije, Odsek za tehničke usluge Leskovac, Serbia

12:00-12:15

R-4.18 MEASURING POINT RELOCATION AT THE REGULATORY LINE AS A WAY TO  
REDUCE LOSSES SHORT CONTENT  
Z. SIMENDIĆ, N. KRKLJUŠ, , M. VUKAS, GAJDOBRANSKI, "EPS Distribucija" d.o.o.  
Beograd, Ogr. Elektrodistribucija Sombor, Serbia, R. NIKOLIĆ, JP Elektroprivreda Srbije -  
Tehnički centar Novi Sad, Odsek za tehničke usluge Sombor, Serbia

12:15-12:30

R-4.19 EFFECTS OF RELOCATION MEASURING POINTS  
G. RADIĆ, MH "ERS" MP a.d. Trebinje ZP "Elektro Doboj" a.d. Doboj, P. KUNDAČINA, MH  
"ERS" MP a.d. Trebinje, ZP "Elektro Hercegovina" a.d. Trebinje, D. MILIĆEVIĆ, MH "ERS" MP  
a.d. Trebinje ZP "Elektro Doboj" a.d. Doboj, D. MURATOVIĆ, M "ERS" MP  
a.d. Trebinje, Bosnia & Hercegovina

12:30-12:45

R-4.20 DIAGRAM OF FLOW OF ACTIVITIES FOR REDUCING ELECTRIC POWER LOSSES  
S. SARIĆ, JP Elektroprivreda Srbije Tehnički centar Novi Sad Odsek za tehničke usluge  
Sremska Mitrovica, B. SARIĆ, ODS "EPS Distribucija" Beograd Ogranak Elektrodistribucija  
Sremska Mitrovica, Serbia

12:45-13:00

R-4.21 APPLICATION OF THERMAL IMAGERS AND ITS IMPACT IN ORDER TO LOCATE UNAUTHORIZED USE OF ELECTRICITY AND REDUCING NON TECHNICAL - COMMERCIAL LOSSES FOR THE USER WHO IS CONNECTED TO TS 10 / 0.4 KV LJUBIC VILLAGE

M. RADOSAVLJEVIĆ, ODS EPS Distribucija, Serbia

13:00-13:15

R-4.22 EFFECTS ANALYSIS OF ELECTRICITY CONSUMPTION IN THE DETECTION OF UNAUTHORIZED CONSUMPTION ANALYSIS AND LOSSES ON THE BASIS OF UNAUTHORIZED USE OF ELECTRICITY

R. ĐORĐEVIĆ, S.TUCAKOVIC, D.VASIĆ, ODS EPS Distribucija, Serbia

13:15-13:30

R-4.23 MODELLING OF PERMANENT MAGNET EFFECTT

Lj. MLADENOVIĆ, ODS doo Beograd – ogranak Elektrodistribucija Zaječar, D. RAPAIĆ, JP Elektroprivreda Srbije – Tehnički centar Niš – Odsek za tehničke usluge Zaječar, Serbia

EC 5: DISTRIBUTION SYSTEMS PLANNING

Chairman: dr Aleksandar JANJIĆ, Elektronski fakultet, Niš, Serbia

WEDNESDAY, 28.09.2016 HALL 3

Preferential Subject 1: Balance between different criteria in distribution network planning

09:15-09:30

R-5.01 EFFICIENT POWER FLOW ALGORITHM, MODIFIED ALGORITHM NAHMAN AND PERIĆ

B. STOJANOVIĆ, M. MOSKOVLJEVIĆ, Tehnički opitni centar, T. RAJIĆ, Elektrotehnički fakultet Beograd, Serbia

09:30-09:45

R-5.02 PROGRAMME FOR POWER SYSTEM CONNECTIVITY CHECKING

T. RAJIĆ, Elektrotehnički fakultet Beograd, B. STOJANOVIĆ, Tehnički opitni centar, Serbia



09:45-10:00

R-5.03 ASYMMETRICAL POWER FLOW CALCULATION OF ACTIVE THREE-PHASE DISTRIBUTION NETWORKS

V. C. STREZOSKI, N. R. VOJNOVIĆ, P. M. VIDOVIĆ, Univerzitet Novi Sad, Fakultet tehničkih nauka Novi Sad, Serbia

10:00-10:15

R-5.04 INFLUENCE OF MODELING DISTRIBUTION NETWORK ON LOAD FLOW

D. MILOŠEVIĆ, N. VRCELJ, N. ŠUŠNICA, Elektrotehnički institut "Nikola Tesla", Beograd, V. STANOJEVIĆ, Elektrotehnički fakultet Univerzitet u Beogradu, Serbia

10:15-10:30

R-5.05 COMPARATIVE ANALYSIS OF HEURISTIC METHODS OF DISTRIBUTION NETWORK RECONFIGURATION

D. ŠOŠIĆ, P. STEFANOV, Elektrotehnički fakultet Beograd, Serbia

THURSDAY, 29.09.2016 HALL 3

Preferential Subject 2: Minimal energy efficiency requirements in distribution networks

09:00-09:15

R-5.06 DISTRIBUTION NETWORK PLANNING IN THE LIGHT OF THE EUROPEAN DIRECTIVE ON ENERGY EFFICIENCY

A. JANJIĆ, Univerzitet u Nišu, Elektronski fakultet, Serbia

09:15-09:30

R-5.07 ANALYSIS OF THE EFFECTS OF APPLICATION OF FIXED COMPENSATION ON THE LOW VOLTAGE DISTRIBUTION NETWORK

M. BEČIĆ, F. HIDIĆ, JP EP BiH Podružnica ED Zenica, S. ĐEKIĆ, Univerzitet u Istočnom Sarajevu, Bosnia & Hercegovina

09:30-09:45

R-5.08 PROPOSED MEASURES FOR TECHNICAL LOSSES REDUCTION IN MEDIUM VOLTAGE DISTRIBUTION NETWORK 10 kV

D. ĆETENOVIĆ, V. MIJAILOVIĆ, A. RANKOVIĆ, Fakultet tehničkih nauka Čačak, Serbia

Preferential Subject 3: Asset life cycle management in uncertain environment

09:45-10:00 R-5.09

VIŠEKRITERIJUMSKO PLANIRANJE AKTIVNOSTI NA ODRŽAVANJU NADZEMNE MREŽE  
B. KOJIČIĆ, Istraživačko-razvojni centar "Alfatec", Niš, Srbija, A. JANJIĆ, Elektronski Fakultet,  
Niš, Serbia

Preferential Subject 4: Distribution infrastructure optimization for a new consumer type

10:00-10:15

R-5.10 MICROGRIDS IN POWER INDUSTRY OF SERBIA: POSSIBILITIES AND  
CHALLENGES  
D. STEVANOVIĆ, EPS, Zaječar, A. JANJIĆ, Univerzitet Niš, Elektronski fakultet, Serbia

EC 6: ELECTRICITY MARKET AND DEREGULATION

Chairman: dr Nenad KATIĆ, Schneider Electric DMS NS, Novi Sad, Serbia

THURSDAY, 29.09.2016 HALL 1

11:45-12:00

R-6.01 REDISIGN OF TARIFF FOR HOUSEHOLD CATEGORY

S. AGANOVIĆ, FERK Mostar, E. AGANOVIĆ, NOSBIHB Sarajevo, Bosnia & Hercegovina

12:00-12:15

R-6.02 AN IMPORTANCE OF MAJOR EVENT DAY IN DEREGULATED ELECTRICITY  
MARKET

J. V. SPIRIĆ, Leskovac, Srbija, M. DOČIĆ, J. SPIRIĆ, JP "Elektroprivreda" Srbije, Odsek za  
tehničke usluge Leskovac, Serbia

12:15-12:30

R-6.03 RELIABILITY INDICES AND APPLICABILITY OF INCENTIVES METHODS TO IMPROVE AVAILABILITY – CASE STUDY WITH SUBSTATION 110/35 Kv "BELGRADE 10 - MISLODJIN"

M. MINIĆ, Univerzitet u Beogradu – Elektrotehnički fakultet, ODS Beograd, T. MARKOVIĆ, Univerzitet u Beogradu – Elektrotehnički fakultet, EPS Beograd, A. MARKOVIĆ, Agencija za energetiku, Beograd, Serbia

12:30-12:45

R-6.04 POWER LOSSES REDUCTION USING ADVANCED DMS FUNCTIONS

J. KATIĆ, Schneider Electric DMS, Novi Sad, N. KATIĆ, Fakultet tehničkih nauka, Novi Sad, Serbia

12:45-13:00

R-6.05 SETTLEMENT OF PRODUCERS DEBALANCE IN INCENTIVE SYSTEM

N. KRULJ, S. RIKALO, D. MURATOVIĆ, J. LAŢETIĆ, MH "Elektroprivreda Rep.Srpske", Matično preduzeće a.d. Trebinje, Bosnia & Herzegovina

13:00-13:15

R-6.06 EXPERIENCE WITH CONSUMER SUPPLY IN REFERENCE WITH THE OPENING OF THE POWER MARKET IN SERBIA

N. MILOŠEVIĆ, "EPS distribucija" Beograd – ogranak Subotica, N. KATIĆ, Fakultet tehničkih nauka Novi Sad, Serbia