

Predrag Mikša

Study Team Leader

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Year of Birth: 1972
Place of Birth: Belgrade, Serbia



SUMMARY OF QUALIFICATIONS

2001 Graduate Electrical Engineer
Faculty of electrical engineering, University of Belgrade, Serbia

FURTHER TRAINING

2005 PSS/E Training Course for Optimal Power Flow, held by Red Electrica, Spain

2004 PSS/E Training Course for Load Flow and Dynamic Simulations, held by Simens-PTI

KEY QUALIFICATIONS

- ☉ Transmission and Distribution network planning and exploitation
 - Load flow analyses (steady state, contingency...)
 - Voltage profile and stability analyses
 - Reactive power compensation and control
 - Fault analyses, protection devices settings, switching analyses
 - Dynamic modeling and stability analyses
 - Regional development of interconnections and electricity exchanges
- ☉ Generation (Hydro, Thermal, Nuclear, Renewables)
 - Installation and connection of power plant to transmission network
 - Feasibility and justification studies
- ☉ Electricity market and economy
- ☉ Education and training for experts
- ☉ Conducting technical analysis, projects and development in energy sector

SPECIAL SKILLS

- ☉ Languages
 - English (excellent)
 - German (good)
 - French (good)

- ☉ Professional software
 - PTI PSS/E (load flow, fault analyses, dynamic analyses, motor starting etc)
 - GTMax (Power market analyses, exploitation of power system)
 - Power System Analyzer (load flow, network transfer capacities evaluation)
 - MATLAB (dynamics)
- ☉ Microsoft Office Applications (Word, Excel, Power point)
- ☉ Management tools (Microsoft Project)
- ☉ Graphical design (AutoCAD, Adobe applications, CorelDraw and other)
- ☉ Programming (Visual Basic)

MEMBERSHIP

- ☉ UCTE Sub Group Network Models and Forecast Tools
- ☉ Member of the UCTE-IPS/UPS Workgroup
- ☉ Member of SECI - Southeast European Cooperative Initiative Workgroup
- ☉ Member of Black Sea BSTP Workgroup

PROFESSIONAL EXPERIENCE

2008 – to date	<i>Study Team Leader</i> Electricity Coordinating Center Ltd.
2007 – 2008	<i>Head of Study and Consulting department</i> Electricity Coordinating Center Ltd.
2002 – 2007	<i>Consulting Engineer</i> Electricity Coordinating Center Ltd.
2001 – 2002	<i>Dispatcher</i> Electricity Coordinating Center Ltd.
1998 – 2001	<i>Dispatcher in EDB dispatching center 110/35/10 kV</i> EDB - Belgrade Distribution Company

SELECTED REFERENCES

Projects in progress

Development of transmission and distribution network of Podgorica till 2025

Project manager

for: EPCG, PRENOS

Detailed analyses of civil and economical development plans (data collection and analyses, load flow analyses (steady state, voltage profile, contingency), fault analyses, economical appraisal, network development and planning) in Podgorica (capital of Montenegro) and development plan for transmission and distribution network on 110 kV, 35 kV and 10 kV voltage network for next period (2010-2014) and vision till 2025.

Author was engaged in: data collection and analyses, load flow analyses (steady state, voltage profile, contingency...), fault analyses, economical appraisal, network development and planning...

Development of transmission and distribution network of Niksic till 2025

Project manager

for: EPCG, PRENOS

Detailed analyses of civil and economical development plans (data collection and analyses, load flow analyses (steady state, voltage profile, contingency), fault analyses, economical appraisal, network development and planning) in Niksic (large industrial and second largest city in Montenegro) and development plan for

transmission and distribution network on 110 kV, 35 kV and 10 kV voltage network for next five years (2010-2014) and vision till 2025.

Author was engaged in: data collection and analyses, load flow analyses (steady state, voltage profile, contingency...), fault analyses, economical appraisal, network development and planning...

2009 EMAL Interconnection Network Studies

Task leader

for: TRANSCO, UAE; EDF

Large aluminium producer EMAL installs a large factory in Abu Dhabi. Consumption is forecasted at 1200 MW and with its own generation to feed this demand, two combined cycle blocks (two Gas turbines and one steam for each block) and two additional gas turbines will be installed for a total capacity around 2200 MW). The following activities are included: data collection and analyses, load flow analyses (steady state, contingency...), fault analyses, transient stability analyses, primary control and frequency response analyses, defence plan mechanisms analyses.

Author was engaged in: data collection and analyses, load flow analyses (steady state, contingency...), fault analyses, transient stability analyses, primary control and frequency response analyses, defence plan mechanisms analyses...

IPF for Western Balkans – Energy Montenegro – Electricity Network Development Project

Transmission Engineer, Team leader

for: IPF Western Balkans, WYG

Western Balkans Infrastructure Projects Facility (IPF) is a project that has been established with the aim of increasing the number of projects in the region that can be put forward to financial institutions for funding, and therefore to implementation. The following activities are included: data collection and analyses, load flow analyses (steady state, contingency...), fault analyses, transmission development plans evaluation, distribution development plans evaluation, transmission and distribution reliability, cost-benefit analyses, financial aspects and project bankability.

Author was engaged in: data collection and analyses, load flow analyses (steady state, contingency...), fault analyses, transmission development plans evaluation, distribution development plans evaluation, transmission and distribution reliability, cost-benefit analyses, financial aspects and project bankability.

Connection of the TPP Tuzla G8 (450W) to the EPS of Bosnia and Herzegovina

Consultant

for: ESOTECH, Slovenia, EPBIH

Study on connection of the new production unit G7 in TPP Tuzla. The following design studies have been provided: Choice of relevant parameter and characteristic ratios of new turbo generation unit and its inherent block-transformers, Load flow studies, fault studies, transient stability studies, frequency response studies, auxiliary supply analyses, network investment analyzes.

Author was engaged in: Load flow studies, fault studies, auxiliary supply analyses, network investment analyzes.

Connection of the TPP Kakanj G8 (350MVA) to the EPS of Bosnia and Herzegovina

Consultant

for: IBE, Slovenia

Study on connection of the new production unit G8 in TPP Kakanj. Following design studies have been provided: Load flow studies, fault studies, transient stability studies, frequency response studies, auxiliary supply analyses, techno-economical aspects.

Author was engaged in: Load flow studies, fault studies, auxiliary supply analyses, network investment analyzes.

Connection of the TPP Porto Romano to the EPS of Albania

Short Circuit Analyses

for: RWE, Germany

Technical Parameters Calculation software for flow-based Coordinated Auctions in Central-East Europe: The aim of the study is to examine the possibility of constructing the TPP Porto Romano, which is to be connected to the 400 kV transmission network of Albania, considering the state of 400, 220 and 110 kV network in future period in year 2016 and to provide the best possible solution for its connection, as well as to check the transfer possibilities of electric power from TPP Porto Romano to neighboring EPSs (Montenegro, Serbia, Macedonia, Greece, Italy) for different scenarios.

Author was engaged in: fault studies.

Prefeasibility Study of Connection of the TPP Banovići to the EPS of Bosnia&Herzegovina

Consultant

for: IBE, Slovenia

In the scope of the Study is connection of the new TPP Banovići (350MVA/300MW) to the transmission grid of Bosnia and Herzegovina taking into consideration transmission development plans of 400, 220 and 110 kV network until 2020, and investigates all possible variants of connection. Following design studies have been provided: Load flow studies, auxiliary supply analyses and techno-economical aspects.

Author was engaged in: Load flow studies, fault studies, auxiliary supply analyses, network investment analyzes.

2008 Black Sea Regional Transmission System planning project - Dynamic model development and stability evaluation Network capacities evaluation

Model development consultant and model integrator

for: USEA, USAID

Objective of this study is to collect national inputs and the development plans for building of regional transmission model in PSS/E that will be used for Power transmission system analysis in field of dynamics and to evaluate system stability. The following studies have been performed: Data collection and analyses, Load flow analyses, Voltage profile and stability analyses, Maximum exchange capabilities, Development plan evaluation, Dynamic model and data base building.

Author was engaged in: Data collection and analyses, Load flow analyses, Voltage profile and stability analyses, Maximum exchange capabilities, Development plan evaluation, Dynamic model and data base building.

Feasibility study for new under sea HVDC interconnection between Italy and Montenegro - Short Circuit and Voltage and Dynamic Stability analyses

Team leader

for: EBRD; EPCG, Montenegro

Objective of this study is to review current and future development stages of transmission network in SEE, from short circuit levels and voltage and dynamic stability point of view, and to evaluate security and reliability of supply and feasibility of new under sea HVDC interconnection between Italy and Montenegro.

Author was engaged in: data collection and analyses, load flow analyses (steady state, contingency...), fault analyses, transient stability analyses.

Operational Network studies - OMAN Interconnection (phase IV)

Network Analyst

for: TRANSCO (UAE), OETC (Oman)

Objective of this study is to analyze performance of integrated power system of United Arab Emirates and their parallel operation with OETC (Oman). In this phase feasibility of connection of OETC (Oman) to already successfully integrated systems of ADWEA (Abu Dhabi) and, DEWA (Dubai) and SEWA (Sarjah) and FEWA (Fujeirah) from United Arab Emirates. In scope was to evaluate all technical aspects before and after connection and to evaluate whether present defence plan mechanisms are sufficient in case of major disturbances to keep system stability and reliable operation.

Author was engaged in: data collection and analyses, load flow analyses (steady state, contingency...), fault analyses, transient stability analyses, primary control and frequency response analyses, defence plan mechanisms analyses...

Feasibility study for new under sea HVDC interconnection between Italy and Montenegro - Static security analyses

Team leader

for: TERNA, Italy; EPCG, Montenegro

Objective of this study is to analyze technical feasibility for new under sea HVDC interconnection between Italy and Montenegro. Capacity of the cable will be up to 1000 MW, and network constraints are to be identified as well as investments in transmission network necessary to support maximum capacity of the cable, taking into consideration electricity market conditions.

Author was engaged in: data collection and analyses, load flow analyses (steady state, contingency...), fault analyses, transient stability analyses.

Feasibility Study: Synchronous Interconnection of the Power Systems of IPS/UPS with UCTE

Network Analyst, member WG2

for: UCTE, EU

Objective of this study is to analyze the technical feasibility of the interconnection of the IPS/UPS systems (Russia, Ukraine, Moldova...) with UCTE main grid with respect to UCTE security criteria. The following studies have been performed: Load flow analyses, Voltage profile and stability analyses, Maximum exchange capabilities, Dynamic model development and Transient stability analyses, Small signal stability and inter-area oscillations, Operational rules and defence plan mechanisms.

Author was engaged in: data collection and analyses, fault analyses, dynamic model development, transient stability analyses.

Operational studies for the Emirate National Grid interconnection (phase III)

Network Analyst

for: Emirate National Grid ENG, United Arab Emirates

Objective of this study is to analyze performance of integrated power system of United Arab Emirates and their parallel operation. In this phase feasibility of connection of FEWA (Fujeirah) to already successfully connected ADWEA (Abu Dhabi) and, DEWA (Dubai) and SEWA (Sarjah) emirates. The following studies have been performed: Load flow analyses, Voltage profile and stability analyses, Fault analyses, switching analyses, Transient stability analyses, Primary control and frequency response analyses, Defense plan mechanisms, Maximum exchange capabilities

Author was engaged in: data collection and analyses, load flow analyses (steady state, contingency...), fault analyses, transient stability analyses, primary control and frequency response analyses, defence plan mechanisms analyses...

Construction and Verification of Computer Dynamic Simulation Model of Serbia with Neighbors

Project consultant

for: EMS, Serbia

Objective of the study is to collect all necessary data for Serbian power system and to build dynamic model for short and mid term dynamic analyses, and data base that corresponds to it. The model will be developed for two software tools currently in use in EMS: PSS/E and DIGSILENT. Following tasks and analyses have been performed: Data collection and data analyses, On site recordings, Dynamic model and data base building, Dynamic model verification

Author was engaged in: data collection and analyses, Dynamic model and data base building.

Model development for dynamic analyses of power system of Macedonia

Project leader

for: MEPSO, ELEM Macedonia

Objective of the study is to collect all necessary data for Serbian power system and to build dynamic model for short and mid term dynamic analyses, and data base that corresponds to it. The model will be developed for two software tools currently in use in EMS: PSS/E and DIGSILENT. Following tasks and analyses have been performed: Data collection and data analyses, On site recordings, Dynamic model and data base building, Dynamic model verification

Author was engaged in: Data collection and data analyses, On site recordings, Dynamic model and data base building, Dynamic model verification.

2007 Regional power transmission extension plan for Caucasus countries

Network Analyst, Calculation Expert

for: KfW Bankengruppe, Germany

Study on interconnection of countries in Caucasus region (Georgia, Armenia, Russia, Turkey, Azerbaijan). The following design studies have been provided: Load flow studies, fault studies, transient stability studies, dynamic model building, frequency response studies

Author was engaged in: Load flow studies, fault studies, transient stability studies, dynamic model building, frequency response studies.

In-depth analysis of transmission options to diversify energy supply

for: USEA; USAID; Moldelectrica, Moldavia

Main objective of the study is review current stage of transmission network, to identify bottlenecks and limits in energy supply as well as to determine maximal transfer capacity of the Moldavian electric power system and to conduct analyses of potential new transmission tie-lines with neighboring countries, as well as internal lines,

which will serve to diversify its energy supply. The product of the analysis will provide a possible set of new transmission grid reinforcements for detailed consideration by the Government, donors and IFIs for full feasibility study.

Author was engaged in: Load flow studies, network development planning.

Integration of Baraha 400/132 kV substation into DEWA 400kV System

for: Dubai Water and Electricity Authority-DEWA, United Arab Emirates

Objective of this study is to look into all possible options, discuss with DEWA officials and agree on an economical and reliable solution to connect the Baraha 400/132 kV substation to the existing/future 400 kV system. The system studies shall be conducted on the agreed solution so that DEWA system will perform within the prescribed limits after the proposed additions/modifications. For the first time and because of lack of space, 400 kV cable technology is to be used in DEWA. The system study should also address any requirements identified such as counter measures for reducing short circuit currents, dynamic stability counter measures, etc.

Author was engaged in: Load flow studies, Short circuit studies, network development planning.

Transmission Investment Plan of Greece

for: ECA

Main objective of this study is to analyze Transmission System Development Plan of Greece for period 2006-2010 from economical aspects, and to extend it to 2016. Also, investment priorities are defined by sub-regions taking into consideration great uncertainties in realization of Generation expansion plan. Based on TSDP year by year investment cost plan by regions is made. This plan is to be used for Transmission network tariffs by Energy Regulatory Agency of Greece.

Author was engaged in: Load flow studies, network development planning.

Transmission Network Investment Criteria

for: USAID, SECI

The main objective of this study is to develop common and regional approach for transmission network development and also to develop common approach in evaluating investment plans from regional perspective, taking into consideration strong influence of electricity market opening.

Author was engaged in: Load flow studies, network development planning.

REBIS - Generation Investment Study-update: Transmission network adequacy evaluation

Network Analyst, Calculation Expert

for: PWC, WB

Study on connection of the new production units in South East European region till 2020. The following design studies have been provided: Load flow studies, fault studies, techno-economical aspects

Author was engaged in: : Load flow studies, fault studies, techno-economical aspects.

Connection of new CCHP Skopje to transmission grid of Macedonia

Project consultant for dynamic modeling

for: MEPSO, FYR of Macedonia

Study on connection of the new production unit in CCHP Skopje. The following design studies have been provided: dynamic model building, SEE regional dynamic model building

Author was engaged in: : dynamic model building, SEE regional dynamic model building.

Operational studies for the Emirate National Grid interconnection (phase IIa)

Network Analyst, Power system analysis and modeling

for: Emirate National Grid ENG, United Arab Emirates

Study on connection of SEWA to ADWEA and DEWA interconnection in summer peak conditions. Performance of integrated power system study of parallel operation with the national grid. The following design studies have been provided: Load flow studies, fault studies, transient stability studies, frequency response studies, evaluation of new load shedding scheme proposals, defense plan mechanisms

Author was engaged in: data collection and analyses, load flow analyses (steady state, contingency...), fault analyses, transient stability analyses, primary control and frequency response analyses, defence plan mechanisms analyses...

Black Sea Regional Transmission System planning project - Network capacities evaluation

Analyses consultant and model integrator

for: USEA, USAID

Objective of this study is to collect national inputs and the development plans for building of regional transmission model in PSS/E that will be used for Power transmission system analysis in field of dynamics and to evaluate system stability. The following studies have been performed: Data collection and analyses, Load flow analyses, Voltage profile and stability analyses, Maximum exchange capabilities, Development plan evaluation, Dynamic model and data base building

Author was engaged in: Data collection and analyses, Load flow analyses, Voltage profile and stability analyses, Maximum exchange capabilities, Development plan evaluation, Dynamic model and data base building

Connection of new (second) block in TPP Gacko to power system of Bosnia&Herzegovina

Network Analyst, Calculation Expert

for: CEZ, Cech Republic

Study on connection of the new production unit in TPP Gacko. The following design studies have been provided: Load flow studies, fault studies, transient stability studies, frequency response studies, auxiliary supply analyses, techno-economical aspects

Author was engaged in: Load flow studies, fault studies, transient stability studies, frequency response studies, auxiliary supply analyses, techno-economical aspects

2006 Operational studies for the Emirate National Grid interconnection (phase II)

Network Analyst, Power system analysis and modeling

for: Emirate National Grid ENG, United Arab Emirates

Study on connection of SEWA to ADWEA and DEWA interconnection. Performance of integrated power system study of parallel operation with the national grid. The following design studies have been provided: Load flow studies, fault studies, transient stability studies, frequency response studies, evaluation of load shedding scheme, defense plan mechanisms

Author was engaged in: data collection and analyses, load flow analyses (steady state, contingency...), fault analyses, transient stability analyses, primary control and frequency response analyses, defence plan mechanisms analyses...

Operational studies for the Emirate National Grid interconnection (phase I)

Network Analyst, Power system analysis and modeling

for: Emirate National Grid ENG, United Arab Emirates

Study on connection of ADWEA and DEWA into Emirate interconnection. Performance of integrated power system study of parallel operation of two systems. The following design studies have been provided: Load flow studies, fault studies, dynamic system modeling, transient stability studies, frequency response studies, evaluation of load shedding scheme, defense plan mechanisms

Author was engaged in: data collection and analyses, load flow analyses (steady state, contingency...), fault analyses, transient stability analyses, primary control and frequency response analyses, defence plan mechanisms analyses...

Technical Study for the synchronous parallel Operation of the Turkish Power System with UCTE

Network Analyst, Calculation Expert, Power system analysis and modeling

for: UCTE, EU

Feasibility study on connection of Turkish power system with UCTE main grid. The following tasks have been provided: load flow analyses, transfer capacities evaluation, dynamic system modeling

Author was engaged in: load flow analyses, transfer capacities evaluation, dynamic system modeling.

Black Sea Regional Transmission System planning project - Regional model construction for 2010

Network Analyst, Calculation Expert

for: USEA, USAID

Study on connection of countries forming the Black Sea ring (Russia, Ukraine, Moldova, Romania, Bulgaria, Turkey, Georgia, Armenia, Azerbaijan). The following tasks have been provided: load flow analyses, transfer capacities evaluation.

Author was engaged in: load flow analyses, transfer capacities evaluation..

SECI – South-East European Cooperation Initiative Regional Transmission Planning Project, Regional model construction for 2010 and 2015

Network Analyst, Power system analysis and modeling

for: USEA, USAID

Study on interconnection of countries in South East Europe (Romania, Hungary, Slovenia, Croatia, Bosnia and Herzegovina, Serbia, Montenegro, Albania, Greece, Bulgaria and Turkey) and network development plans on regional level. The following tasks have been provided: load flow analyses, transfer capacities evaluation, steady state stability, fault studies, dynamic system modeling, transient stability studies...

Author was engaged in: load flow analyses, transfer capacities evaluation, steady state stability, fault studies, dynamic system modeling, transient stability studies.

2005 REBIS - Generation Investment Study - Transmission network checking

Network Analyst, Calculation Expert

for: PWC, USEA, USAID

Study on feasibility of generation investment plans in accordance with parallel network development plan for South East European region. The following tasks have been provided: load flow analyses, transfer capacities evaluation, steady state stability.

Author was engaged in: load flow analyses, transfer capacities evaluation, steady state stability.

SECI – South-East European Cooperation Initiative Regional Transmission Planning Project, Regional model construction for 2010

Network Analyst, Power system analysis and modeling

for: USEA, USAID

Study on interconnection of countries in South East Europe (Romania, Hungary, Slovenia, Croatia, Bosnia and Herzegovina, Serbia, Montenegro, Albania, Greece, Bulgaria and Turkey) and network development plans on regional level. The following tasks have been provided: load flow analyses, transfer capacities evaluation, steady state stability, fault studies, dynamic system modeling, transient stability studies.

Author was engaged in: load flow analyses, transfer capacities evaluation, steady state stability, fault studies, dynamic system modeling, transient stability studies.

2004 Evaluation of transfer capabilities in Balkans interconnected network

Network Analyst, Power system analysis and modeling

for: Hellenic Transmission System Operator HTSO, National Technical University of Athens NTUA

Study on transfer capabilities of integrated Balkans network. Influence of protection setting scheme and system dynamics on NTC values. Influence of network development plans on regional transfer capabilities. The following tasks have been provided: load flow analyses, transfer capacities evaluation, steady state stability, dynamic system modeling, transient stability studies, voltage stability studies...

Author was engaged in: : load flow analyses, transfer capacities evaluation, steady state stability, dynamic system modeling, transient stability studies, voltage stability studies.

Effects of connecting power systems of Republic of Srpska and Serbia with new 400 kV power line Ugljevik-S.Mitrovica after reconnection first and second UCTE zone

Network Analyst

for: Elektroprivreda Republike Srpske – ERS, Elektroprenos Banja Luka

Study on feasibility of construction of new 400 kV line from Ugljevik (BIH)-Sremska Mitrovica (SRB). The following tasks have been provided: load flow analyses, transfer capacities evaluation, steady state stability analyses, techno-economical aspects.

Author was engaged in: load flow analyses, transfer capacities evaluation, steady state stability analyses, techno-economical aspects.

Audit of overcurrent protection relay settings on north-south transmission corridor

Network Analyst

for: Hellenic Transmission System Operator HTSO

Study for increase of reliability of the power transfers along North to South European transmission corridor, to increase stability and security of supply during Olympic games in Athens. The following tasks have been provided: load flow analyses, transfer capacities evaluation, steady state stability.

Author was engaged in: load flow analyses, transfer capacities evaluation, steady state stability.

Study for new 400 kV interconnection lines between FYROM-Serbia and Albania-Montenegro

Network Analyst, Power system analysis and modeling

for: European Commission, TREN, Energy Directorate General

Feasibility study for building the two 400kV lines Podgorica (MNE)-Elbasan(ALB) and Nis(SRB)-Skopje(MKD). The following tasks have been provided: load forecast, load flow analyses, transfer capacities evaluation,

steady state stability, OHL line routing, environmental aspect, techno-economical aspects, dynamic modeling, transient stability assessment...

Author was engaged in: load forecast, load flow analyses, transfer capacities evaluation, steady state stability, OHL line routing, environmental aspect, techno-economical aspects, dynamic modeling, transient stability assessment.

Technical and economical aspects of connection electric power systems between Serbia and Macedonia with new transmission line 400 kV Niš-(Leskovac-Vranje)-Skopje

Network Analyst, Power system analysis and modeling

for: Elektroprivreda Srbije EPS

Feasibility study for construction of new 400 kV line Niš(SRB)-Skopje(MKD), and two new 400/110 kV substations Leskovac and Vranje. The following tasks have been provided: load flow analyses, transfer capacities evaluation, steady state stability, fault analyses, OHL line routing, techno-economical aspects, telecommunication systems...

Author was engaged in: load flow analyses, transfer capacities evaluation, steady state stability, fault analyses, OHL line routing, techno-economical aspects.

2003 Feasibility study for installation of the new Hydro Power Stations Buk Bijela and Srbinje (Foca) in the power system

Network Analyst, Power system analysis and modeling

for: Elektroprivreda Republike Srpske

Objective of this study is to give solution how to connect new 660 MW unit to transmission grid of Bosnia and Herzegovina, to enable reliable and secure evacuation of power from this site. Following studies have been performed: Load flow and voltage profile analyses, Fault analyses, Static and Transient stability analyses, Maximum exchange capabilities

Author was engaged in: Load flow and voltage profile analyses, Fault analyses, Static and Transient stability analyses, Maximum exchange capabilities.

Study of Electric Power and Energy Losses in Transmission Network of Power Utility of Montenegro (EPCG) with Measurements for Their Reduction

Network Analyst, Power system analysis and modeling

for: Elektroprivreda Crne Gore - EPCG

Objective of this study is to evaluate power losses in transmission network of Montenegro and to propose measures for their reduction. In order to calculate power losses deterministic methodology was used (load flow calculations) based on real time recorded data. Following studies have been performed: Load flow and voltage profile analyses, Power losses calculations and analyses, Development plan analyses

Author was engaged in: Load flow and voltage profile analyses, Power losses calculations and analyses, Development plan analyses.

PUBLICATIONS

Selected journal and conference papers:

2007 Simulation of electromechanical transients in power systems

K. Naumovski, N. Bitrak, P. Mikša

MAKO CIGRE, October 2007

2005 Influence of new 400 kV lines Niš-Skoplje and Podgorica-Elbasan on regional network transfer capacities

M. Vuković, P. Mikša, D. Balkoski

YUKO CIGRE, May 2005

Electric power and energy losses in transmission network of power utility of Montenegro (EPCG) with measurements for their reduction

M. Vuković, P. Mikša, L. Bataković

YUKO CIGRE, May, 2005

2004 Evaluation of transfer capabilities of Balcan interconnected network

C.Vournas, Y.Cabouris, S.Mijailovic, P.Miksa, Z.Vujasinovic

MELECON, May 2004

2003 Installation of HPP Buk Bijela and HPP Srbinje in electrical power system

M. Vuković, P. Mikša, Z. Nešovanović

YUKO CIGRE, May, 2003

Developing of interconnection network in South-East European countries – Influence of construction of new interconnection lines candidates in countries members of SECI

M. Vuković, P. Mikša

YUKO CIGRE, May, 2003

2002 Steady state security analyses of the south-east European network after reconnection to main UCTE grid

S. Mijailović, P. Mikša, M. Apostolović

YUKO CIGRE, May, 2002

Developing of interconnection network in South-East European countries – Regional model construction

M. Vuković, P. Mikša

YUKO CIGRE, May, 2002

Finals:

2001 Planning, development and exploitation in Distribution network

Belgrade University, February 2001