

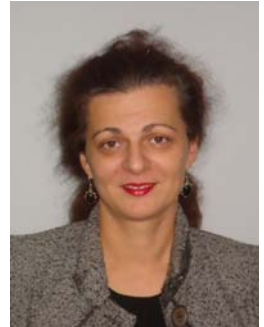
Snežana Mijailović

Deputy General Manager

Electricity Coordinating Center
Vojvode Stepe 412
Belgrade, Serbia

Tel: + 381 11 397 42 73
+ 381 11 397 43 67
Fax: + 381 11 397 18 13
email: sneza@ekc-ltd.com

Year of Birth: 1965
Place of Birth: Pancevo, Serbia



SUMMARY OF QUALIFICATIONS

- 2005** *Master Science degree of Electrical Engineering - M.Sc.E.E.*
Faculty of Technical Science, University of NOVI SAD, SERBIA
- 1990** *Graduate Electrical Engineer*
Faculty of Electrical Engineering, University of BELGRADE, SERBIA

FURTHER TRAINING

- 2002** PSS/E Training Course for Load Flow and Dynamic Simulations,
held by Simens-PTI

KEY QUALIFICATIONS

- ☞ Planning and control of power systems (mathematical and numerical modelling and practical application)
- ☞ Connection of electric power systems in large interconnections
- ☞ Research studies and computer programs in area of electric power system
- ☞ Profound knowledge of electricity sector in South Eastern European countries
- ☞ Technical analysis of electricity sector projects and developments
- ☞ Management of teams and consulting projects involving international partners.
- ☞ Achievement of planning studies for transmission and distribution network
- ☞ Electricity consumption and peak load forecast

SPECIAL SKILLS

- ☞ Languages
 - English (excellent)

- German (good)
- ☉ Professional software
 - PTI PSS/E (load flow, fault analyses, dynamic analyses, motor starting etc)
 - Power System Analyzer (load flow, network transfer capacities evaluation)
- ☉ Microsoft Office Applications (Word, Excel, Power point)
- ☉ Management tools (Microsoft Project)
- ☉ Programming (Fortran)

MEMBERSHIP

- Member of SECI - The Southeast European Cooperative Initiative
- Member of Black Sea Regional Workgroup

PROFESSIONAL EXPERIENCE

2002 – to date	<i>Deputy General Manager</i> Electricity Coordinating Center Ltd.
1997 – 2002	<i>Head of Research and Consulting Department</i> Electricity Coordinating Center Ltd.
1990 – 1997	<i>Engineer</i> Institute "Nikola Tesla", Belgrade - Electric Power System Department

SELECTED REFERENCES

Projects in progress

Technical parameters Calculation software for 2009/2010 SEE Dry-run of Coordinated flow-based Auctions

Team member

for: KfW bank (Germany)

The extension of Merlin/PSA softwares for Technical Parameters Calculation for dry-run of flow-based Coordinated Auctions in South-east Europe, covering the needs of SEE TSOs.

2009 Generation surplus projections in Eastern Europe (EE) region and electricity market scenarios in the period 2008 – 2020, [Updated data and scenarios]

Consultant

for: TERNA, Italy

The objective of the study is to analyze different scenarios of generation surplus in SEE/EE region and features of electricity market development, as well as to analyze the transmission network evolution in the period under analysis (2008-2020). This Study presents an Update of similar SEE Market Study performed in 2007, with extended time horizon (until 2020), scenarios (optimistic, besides pessimistic and realistic) and countries (Ukraine, Moldova, Hungary).

CAO - Freising - IT system for coordinated flow based allocation and related services

EKC: Technical Parameters Calculation PTDF/MF

Team member

for: Riecado (Siemens, CEE CAO Freising/Munich, Germany)

Technical Parameters Calculation software for flow-based Coordinated Auctions in Central-East Europe: validation and merging of network models, load flow, security analyses, calculation of PTDF factors and maximum Flow capacities, preparation of technical parameters as auction input for yearly, monthly and daily auctions.

Connection of the TPP Porto Romano to the EPS of Albania

Project leader

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.

2008 Feasibility study for new under sea HVDC interconnection between Italy and Montenegro

Team member

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.

PSA_maxFlow: Software for processing of technical data, (network models, PTDF matrices and transmission capacities), within the 2008 - DRY-RUN implementation of Coordinated Auctions in SEE region

Project Contract Manager

for: USAID and SEE TSOs

Software for the automatic calculation of the PTDF factors and transmission capacities (TMF, AMF) for the 2008 dry-run implementation of the Coordinated flow-based Auctions in SEE region, by using the MaxFlow methodology. The following activities have been performed: Evaluation of Coordinated Auctions MaxFlow methodology; Developing the load-flow and PTDF/MF calculation tool; Training of the SEE TSOs (SETSO NACMPF SG)

Review of electricity supply, demand and transmission projections in South-East Europe in the period 2008-2020

Project leader

for: CEZ, Czech Republic

Objective of this study is to collect national inputs and the development plans for South East European countries, and to perform data analyses to get review in alternatives for power supply, demand forecast and transmission network adequacy in region, for time horizon 2008-2020. In the scope is to analyze the regional transmission system to identify the existing potential for electric power trade in the region and limiting factors. Power systems analyzed: Albania, Bosnia-Herzegovina (BiH), Bulgaria, Croatia, Greece, Macedonia, Montenegro, Romania, Serbia, UNMIK.

2007 Connection of new (second) block in TPP Gacko to power system of Bosnia&Herzegovina

Team member

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, auxillary supply analyses, techno-economical aspects

2006 Technical Study for the synchronous parallel Operation of the Turkish Power System with UCTE

Team member

for: CFCU Turkey, UCTE

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

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

o WG 2: System Dynamics

Team member

for: EU, CIS

Feasibility study on connection of IPS/UPS systems (Russia, Ukraine, Moldova...) with UCTE main grid. The following tasks have been provided: load flow analyses, probabilistic congestion analysis, allocation of measures for interconnection and estimation of related costs, dynamic system modeling, dynamic system

equivalence, small signal stability analysis, transient stability studies, frequency response studies, suggestion of remedial measures, power system control, required level of primary and secondary reserve, required load matching based on load forecast and availability and dynamic performance of generators, investigation of effect of control power flows on TRM values, defense and restoration plans, assessment of compatibility of existing defense and restoration plans, conditions under which total disconnection may/shall happen, definition and simulation of operating modes for re-synchronization, operational and organizational aspects, control of power exchanges, forecast & real time network security calculations and definition of necessary data exchange; day ahead congestion forecast (DACF), protection systems settings, outage scheduling, emergency situation management, restoration of interconnection, congestion management.

Project group on development of interconnection of electric power systems of Black Sea region,

- o **BSR Transmission System planning project,**
- o **Regional model construction for 2010**

Team member

for: USAID, USEA

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.

2005 Regional Balkans Infrastructure Study REBIS – Generation Investment Study GIS,

- o **Regional Transmission Planning Project,**
- o **Appendix 12: PSS/E ANALYSES AND RESULTS**

Team member

for: European Commission, World Bank

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.

2004 Technical and economical aspects of connection electric power systems between Serbia and Macedonia with new transmission line 400 kV Niš-(Leskovac-Vranje)-Skopje.

Project leader

for: EPS – Electric company of Serbia

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

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

Project leader

for: EPS – Electric company of Serbia, Elektroprenos - Banja Luka

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

2003 Project SECI project group on development of interconnection of electric power systems of SECI countries for better integration to the European system.

- o **Regional Transmission Planning Project,**
- o **Regional model construction for 2005. (updating and expanding existing Regional Transmission Network Model for the year 2005) and 2010.**

Project task leader

for: SECI

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, short circuit studies, dynamic system modeling, transient stability studies.

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

Team member

for: SECI

Feasibility study for building the two 400 kV lines Podgorica (Montenegro) – Elbasan (Albania) and Nis (Serbia)-Skopje (Macedonai). The following tasks have been provided: load forecast, load flow analyses, transfer capacities evaluation, short circuit, steady state stability, OHL line routing, enviromental aspect, techno-economical aspects, dynamic modeling, transient stability assesment.

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

Project leader

for: EPCG

Study of electric power and energy losses in transmission network of power utility of Montenegro (EPCG) with measurements for their reduction, The following tasks have been provided: load forecast, transmission losses, load flow analyses, influence of electricity transfer.

Review of Electricity Supply and Demand in South Eastern Europe (2002 - 2012),

Project leader

for: World Bank

Review of Electricity Supply, Demand, GDP, new transmission network elements in South East Europe till 2012 with recognized all bottlenecks in transmission networks in SEE region.

2002 Project SECI, project group on development of interconnection of electric power systems of SECI countries for better integration to the European system,

o Regional Transmission Planning Project,

o Regional model construction 2005

Project task leader

for: SECI

Study on interconnection of countries in South East Europe (Romania, Hungary, Slovenia, Croatia, Bosnia and Herzegovina, Serbia, Montenegro, Albania, Greece, Bulgaria and Turkey), Regional Transmission Planning Project, Regional model construction 2005. The following tasks have been provided: load flow analyses, transfer capacities evaluation, steady state security, short circuit.

Project SECI project group on development of interconnection of electric power systems of SECI countries for better integration to the European system,

o Regional Transmission Planning Project

o Effects of construction of new tie lines candidates in SECI countries.

Team member

for: SECI

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 security.

Preliminary design for solution of electric energy supply of the Trebinje area,

Project leader

for: ERS

Electric energy supply of the Trebinje area has been performed by this Study. The following tasks have been provided: bus load forecast, load flow analyses, short circuit analysis, transmission and distribution losses..

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

Team member

for: Electric company of Republic of Srpska

Study on connection of the new Hydro Power Stations Buk Bijela and Srbinje (Foca). The following design studies have been provided: Load flow studies, fault studies, transient stability studies, frequency response studies, auxilary supply analyses, techno-economical aspects.

Feasibility and Evaluation Study of Electricity Interconnection of Turkey with Balkan Pool and UCTE - Steady-state and transient stability analysis,

Project leader

for: EU DG TREN

Study on interconnection of Electricity Interconnection of Turkey with Balkan Pool and UCTE 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...

2001 Feasibility analysis of parallel operation of power transformers 110/35 kV/kV in RP Trebinje with preliminary design of 35 kV transformer bay

Team member

for: ERS - Electric company of Republic of Srpska

Analysis of parallel operation of power transformers 110/35 kV/kV in RP Trebinje with preliminary design of 35 kV transformer bay

PUBLICATIONS

Publications in domestic journals:

- 2004 Application of congestion management methods in transmission network in south-east Europe**
S.Mijailović, Z.Vujasinović, M.Apostolović
Elektroprivreda, No. 2, 2004, pp. 9-25 (in Serbian)
- Overview of present congestion methods in Europe**
S.Mijailović, Z.Vujasinović, M.Apostolović
Elektroprivreda, No. 1, 2004, pp. 40-55 (in Serbian)
- 2000 Unique methodology for transmission possibility evaluation of electric power interconnection**
D.Popović, Dj.Dobrijević, N.Mijušković, D.Vlaisavljević, S.Mijailović
10. Symposium of operation and Telecommunication, JUKO CIGRE, Herceg Novi, 22-25. May 2000, ref. III.V.1
Elektroprivreda, No. 3, 2000, pp. 3-12 (in Serbian)
- 1996 Technical aspects and possibilities of rejoining the electrical power system of Yugoslavia to West European interconnection UCPTE**
D.Popović, S.Mijailović, B.Milošević, S.Bulatović, M.Vuković
Elektroprivreda, No. 4, 1996 (in Serbian)
- Dynamic characteristic of electric power interconnection in Balkans**
D.Popović, S.Mijailović
Elektroprivreda, No. 2, 1996 (in Serbian)
- Fast evaluation of dynamic frequency behavior in electric power systems during process of primary regulation**
D.Popović, S.Mijailović
Elektroprivreda, No. 1, 1996, pp. 3-12 (in Serbian)
- 1995 Methodology comparison for analysis of static and dynamic security in electric power systems**
D.Popović, S.Mijailović, Z.Janjić
chapter in monography Rational planning, optimal exploitation and technical improvement of electric power systems, Belgrade 1995 (in Serbian)
- Some improvement of performances of electric power interconnection through the elements of FACTS technologies**

D.P.Popović, S.Mijailović, T. Papazoglou,
Elektroprivreda, No.1-3, 1995 (in Serbian)

- 1994 **Methodology for the analyses of relevant technical aspects and possibilities of interconnecting the new electric power systems in West European Interconnection UCPT**
D.Popović, S. Bulatović, M.Đukanovic, S.Mijailović, M.Stefanović
Elektroprivreda, No.1-12, 1994, pp. 5-15 (in Serbian)
- 1993 **Methodical aspects of basic technical effects due to significant power transits in interconnective power systems**
D. Popović, S. Mijailović, S. Bulatović
XXI Conference JUKO CIGRE, Vrnjačka Banja, 11-14. October 1993., Ref.37-05, pp.10
Elektroprivreda No.1-12, 1993., pp. 65-70 (in Serbian)
- 1992 **An approach to the methodology for a more accurate evaluation of the basic technical effects due to significant power transit in electric power systems**
D.Popović, S.Mijailović, S.Bulatović
Proceedings of the Nikola Tesla Institute, 1992 (in Serbian)
- An efficient method for simultaneous analysis of island operation of several parts of electric power system**
D. Popović, S. Mijailović
Institute "Nikola Tesla" Proceeding, book 9, 1991, pp.59-74;
Elektroprivreda, No.10-12, 1992, pp. 402-407 (in Serbian)
- 1991 **Reactive power compensation and loss reduction in large industrial enterprises**
S. Jovanović, B. Gajić, S. Mijailović
Elektroprivreda, No.11-12, 1991, pp. 405-413 (in Serbian)

Publications in international journals:

- 2000 **An Efficient Methodology for the Analysis of Primary Frequency Control of Electric Power System**
Popović P., Mijailović S.
Electric power & Energy systems Vol. 22, 2000, pp. 331-341 (in English)
- 1997 **Fast evaluation of dynamic changes of electric power systems frequency during primary control**
D.Popović, S.Mijailović
Electric Power & Energy Systems, Vol. 19, No. 8, 1997, pp. 525 - 532 (in English)
- 1994 **A methodology for evaluating the effects of large power transits in electric power systems**
D. P. Popović, S. V. Mijailović, S. B. Bulatović
Revue Generale de L'Electricite, No. 10, November 1994., pp. 1-7 (in English)
- 1991 **Reactive power compensation and loss reduction in large industrial enterprises**
S. Jovanović, B. Gajić, S. Mijailović,
Electric Power & Energy System, Vol. 13, No 6, December 1991, pp. 337-342 (in English)

Domestic publications in Conference proceedings:

- 2004 **Techno-economic analysis of feasibility of construction of new 400 kV line Niš – Leskovac – Vranje – Skoplje**
S.Mijailović, M.Vuković, D.Balkoski
XII Symposium of Operation and Telecommunication, JUKO CIGRE, Bečići 19-21. May 2004, ref. II.6 (in Serbian)
- Coordinated auction of transmission capacity – implementation of power transfer distribution factors**

S.Mijailović, M.Apostolović, Z.Vujasinović
XII Symposium of Operation and Telecommunication, JUKO CIGRE, Bečići 19-21. May 2004, ref. I.6 (in Serbian)

Electricity market creation in south-east Europe

S.Mijailović, D.Popović, N.Stefanović

XII Symposium of Operation and Telecommunication, JUKO CIGRE, Bečići, 19-21. May 2004, ref. I.1 (in Serbian)

2002

Connection of Turkish electric power system to UCTE interconnection

S.Mijailović, M.Vuković, V.Janković, D.Popović

XI. Symposium of Operation and Telecommunication, JUKO CIGRE, Herceg Novi, 21-24. May 2002, ref. I.6 (in Serbian)

Connection of Second UCTE zone with the main UCTE grid

D.Tubić, S.Mijailović, D.Stojčevski

XI. Symposium of operation and telecommunication, JUKO CIGRE, Herceg Novi, May 21-24, 2002, Ref. I.1 (in Serbian)

1999

Operational problems of interconnection today and tomorrow

D.Tubić, P.Savić, S.Mijailović, M.Ivković-Ivandekić

XXIV Conference JUKO CIGRE, R38-01, Vrnjačka Banja, October 17-20, 1999 (in Serbian)

Connection effects of the electric power systems of Republic Srpska and Serbia through 400 kV line Ugljevik-S. Mitrovica

S.Mijailović, M.Vuković, D.Popović, Dj.Dobrijević

XXIV Conference JUKO CIGRE, R37-03, Vrnjačka Banja, October 17-20, 1999 (in Serbian)

Development of 110 and 35 kV network in electric power system of Montenegro in period till 2020

S.Mijailović, D.Popović, B.Milošević, Dj.Dobrijević, V.Vujović

XXIV Conference JUKO CIGRE, R37-04, Vrnjačka Banja, October 17-20, 1999 (in Serbian)

1998

Quality analysis of primary frequency control of UCTE's southeastern part

S.Mijailović, D.Popović, M.Ivković-Ivandekić

IX. Symposium of Operation and Telecommunication, JUKO CIGRE, Herceg Novi, 18-20. May 1998, ref. I.5 (in Serbian)

1997

Functioning of electric power system of Serbia in conditions of high consumption, low production of TPP and high import from neighboring systems

S.Mrdja, Z.Janjić, S.Mijailović, S.Minić, D.Popović, Dj.Dobrijević

XXIII Conference JUKO CIGRE, R38-02, May 25-30, 1997 (in Serbian)

Possibilities of successful closing loop in the case of reconnection of south-eastern with western part of UCPTE interconnection

D.Popović, S.Mijailović

XXIII Conference JUKO CIGRE, I39-14, May 25-30, 1997 (in Serbian)

Connection of hydro power plants Dabar, Nevesinje and Bileća in electric network of East Herzegovina

S.Mijailović, D.Popović, M.Vuković, D.Andjelić

XXIII Conference JUKO CIGRE, R37-03, May 25-30, 1997 (in Serbian)

1995

Extension effects of UCPTE interconnection in Balkans

D.Popović, S.Mijailović

XXXIX Conference ETRAN, Zlatibor, 6-9. Jun 1995, 4 pages (in Serbian)

Development and application the method for the fast analysis of the dynamic behavior of frequency

D. P. Popović, S. V. Mijailović

XXII Conference JUKO CIGRE, Vrnjačka Banja, May 21-27, 1995, Ref. 37-05 (in Serbian)

Load flow controllers in function of performance improvement in electric power interconnection

D. P. Popović, T. M. Papazoglou, S. V. Mijailović

XXII Conference JUKO CIGRE, Vrnjačka Banja, 21-27. May 1995, Ref. 39-04, 8 pages (in Serbian)

1994 Implementation effects of some elements of FACTS technology in Balkan part of UCPTE interconnection

T. M. Papazoglou, D. P. Popović, S. V. Mijailović

XXXVIII Conference, ETRAN; Niš, 7-9. Jun 1994, 2 pages (in Serbian)

1993 Some aspects of Serbian electric power system connection with neighboring systems within West European interconnection UCPTE

D. Popović, M. Djukanović, S. Mijailović, V. Nikolić, B. Babić, S. Bulatović

Conference "Electricity Development in Serbia", Belgrade, 3-4 November 1993, 12 pages (in Serbian)

Technical effects of interconnecting electric power system of Romania and Bulgaria in synchronous parallel operation with the EPS of Yugoslavia within the interconnection UCPTE

D. Popović, M. Djukanović, S. Mijailović

XXI Conference JUKO CIGRE, Vrnjacka Banja, October 11-14, 1993 (in Serbian)

An efficient method for the analysis disintegration and reintegration in electric power systems

D. Popović, S. Mijailović

XXXVII Conference ETAN, Belgrade, September 1993 (in Serbian)

1991 Application of dBASE III PLUS software for load flow analysis of transmission network

S. Jovanović, S. Mijailović

XX Conference JUKO CIGRE, Neum 22-26. April 1991., Ref. 38.03, 10 pages (in Serbian)

International publications in Conference proceedings:

2004 A new coordinated auctioning method as a solution for congestion management problem

S. Mijailović, D. Popović

VI Bulk Power Systems Dynamics and Control, IREP Symposium 2004, August 22-27, 2004, Cortina D'Ampezzo, Italy, A 129 (in English)

Automatic Cross-Border Transmission Capacity Assessment in the Open Electricity Market Environment

D. P. Popović, Dj. M. Dobrijević, S. V. Mijailović, Z. Ž. Vujasinović

CIGRE, Paris, France, 2004, C2-209 (in English)

Evaluation of Transfer Capabilities in the 2nd UCTE Zone

P. Mikša, S. Mijailović, Z. Vujasinović, J. Kabouris, C. Vurnas

IEEE MELCON 2004, May 11-15, 2004. Dubrovnik, Croatia, paper 1271 (in English)

2003 Connection of first and second UCTE synchro-nous zones

S. Mijailović, Z. Nešovanović, Z. Vujasinović, N. Rusanov

VI Conference BiH CIGRE, 28. September - 2. October, 2003., R.C1.01 (in Serbian)

Review of Electricity Supply and Demand in South East Europe

S. Mijailovic

IEEE General Power Meet-ing, Toronto, Canada, July 2003 (in English)

2000 Analytical tools for the transfer capability evaluation of Balkan Interconnection

D. P. Popović, Dj. Dobrijević, N. Mijusković, D. Vlaisavljević, S. Mijailović

Paper 39.206, CIGRE, Paris, France, august 2000 (in English)

- 1999** **The Contribution of New Interconnection Lines Between Greece and FYROM and Greece and Bulgaria to Dynamic Behavior of Balkan Interconnection**
S.Mijailović, D.Popović, T.Čerepnalkovski, D.Psichogios, B.Pavlov
Power Europe Delivery, Madrid, Spain, 28-30 September 1999, Session 6, paper No. 1 (in English)
- Phase Shifting Transformer in Efficient Power Flow Control Method**
D.Popović, T.Papazoglou, S.Mijailović
IEEE Power Tech '99, Conference Budapest, Hungary, Aug. 29-Sept. 2, 1999, paper BPT 99-170-11 (in English)
- 1998** **Phase Shifting Transformer in Efficient Power Flow Control Method**
D. Popović, T. Papazoglou, S. Mijailović
UPEC 1998, September 8-10, 1998, Edinburgh, UK (in English)
- Methodological and Practical Aspects of Primary Frequency Control in Context of Real Electric Power Interconnection**
D.Popović, S.Mijailović, M. Ivković – Ivandekić
Bulk Power Systems Dynamics and Control - IV Restructuring, August 24-28, 1998, Santorini, Greece (in English)
- 1997** **An efficient method for fast evaluation of the power system frequency behavior during primary control**
D. Popović, S. Mijailović
32nd Universities Power Engineering Conference, Manchester, 10-12 September, 1997, pp 321-325 (in English)
- Relevant technical aspects and possibilities for reconnection of south eastern part with the western part of UCPTÉ interconnection**
S.Mijailović, D.Popović
32nd Universities Power Engineering Conference, Manchester, 10-12 September, 1997, pp 412-416 (in English)
- Relevant technical aspects and possibilities for reconnection of south-eastern with western part of interconnection**
D.Popović, S.Mijailović
V international conference, Nikola Tesla, III Millennium, 15-18. October 1997, pp III-177-184 (in English)
- 1996** **Some relevant aspects of dynamic behavior of the electric power systems inter-connection in the Balkans**
D. Popović, S. Mijailović
31st UPEC Conference, Crete, 18-20 September, 1996, pp 558-562 (in English)
- Determination of consumers self - regulation coefficient for electric power systems**
M.Ivković - Ivandekić, S.Mijailović, D. Kovačević
31st UPEC Conference, Crete, 18-20 September, 1996 (in English)
- 1995** **An efficient method for evaluation of post - dynamic quasi-stationary states during the islands operation of power system plants**
D.Popović, S.Mijailović
Stockholm Power Tech Conference, Stockholm, June 18-22, 1995, ref. SPT PS 18-04-0486, pp 558-564 (in English)
- Evaluation of the relevant technical aspects of including new electric power systems within the interconnection UCPTÉ**
D.Popović, S.Mijailović
International Symposium Energy systems in South - Eastern Europe, Ohrid, 21-23 September 1995, pp 16-23 (in English)

Analysis of the effects of application of PST and CSC on the performance of the UCPTE system in the Balkans

T.M.Papazoglou, D.Popović, S.Mijailović

Stockholm Power Tech Conference, Stockholm, June 18-22, 1995, ref. SPT PS 16-02-0520, pp 490-493 (in English)

1994 Analysis of the effects of application of PST and CSC on the performance of the UCPTE system in the Balkans

T. M. Papazoglou, D. P. Popović, S. V. Mijailović

Universities Power Engineering Conference, Dublin, Irland, September 1994., 22 pages (in English)

1991 Optimal placement and sizing of capacitors in large industrial systems

S. Jovanović, B. Gajić, S. Mijailović

AMSE Periodical, Modeling, Simulation & Control, A, Vol. 36, No.3, 1991, pp.45-54 and IMACS-MCTS Symposium, Casablanca, Morocco, May 7-10, 1991, 8 pages (in English)

II. MOST IMPORTANT PROJECTS/STUDIES:

2007 Project group on development of interconnection of electric power systems of Black sea region, Regional Transmission Planning Project, Regional model construction for 2010. year

Task Leader

done for USAID

2004 Evaluation of transfer capabilities in Balkan interconnected network

Technical Report, Research Project

Joint Greek-Yugoslav Research Cooperation, Funded by: General Secretariat for Research and Technology, Greece, 2004, EKC, HTSO-GREECE, NTUA-GREECE (in English)

Effects of implementation of the ETSO CBT mechanism in process of accounting and evaluation of expenses in international electric energy exchanges

Project Manager (in Serbian)

2004, EKC, done for Electric Power Utility of Serbia

2003 Review of Electricity Supply and Demand in South Eastern Europe, Final Report

Consultant on internal project

done for World bank, (in English)

Technical and economical aspect of connection of electric power systems of Serbia and Macedonia through 400 kV line Niš-Leskovac-(Vranje)-Skoplje

Project Manager

2003, EKC, done for Electric Power Utility of Serbia (in Serbian, summary in English)

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

Consultant

2003, EKC, done for Electric Power Utility of Republic Srpska, (in Serbian)

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

Project Manager

2003, EKC, done for Electric Power utility of Montenegro (in Serbian)

Project SECI project group on development of interconnection of electric power systems of SECI countries for better integration to the European system

Regional Transmission Planning Project

2003, ESM, EKC, NEK, EPBiH, Institute Hrvoje Pozar, done for SECI-USAID (in English)

2002 Preliminary design for solution of electric energy supply of the Trebinje area

Project Manager

- 2002, EKC, done for Electric Power Utility of Republic Srpska (in Serbian)
- 2001 Feasibility and Evaluation Study of Electricity Interconnection of Turkey with Balkan Pool and UCTE**
Project Manager of EKC team
2001, HTSO, EKC, NEK, TEASH, done for European Union, (in English)
- 1998 Upgrading at 400 kV of the existing 150 kV, Feasibility and evaluation study of upgrading at 400 kV of the existing 150 kV interconnection line Amynteo – Bitola**
Project Manager of EKC team
1998, HTSO, EKC, NEK, done for European Union, (in English)
- New interconnection Greece - Bulgaria, Part A, Feasibility and evaluation study of a new interconnection line Filippi - Plovdiv or Filippi - Maritsa East 3**
Project Manager of EKC team
1998, HTSO, EKC, NEK, done for European Union, (in English)
- Study on the effects of the new 400 kV interconnection line S.Mitrovica – Ugljevik, between Serbia and Republic Srpska**
Project Manager
Electricity Coordinating Center, 1998, done for Electric Power Utility of Serbia, (in Serbian)
- 1997 Possibilities and limitations for power supply from the region of East Herzegovina**
Project Manager
Electricity Coordinating Center, 1997, done for Electric Power Utility of Republic Srpska, (in Serbian)
- 1996 Reconnection of the UCPTTE Network and Parallel operation of the Bulgarian and Romanian networks with UCPTTE**
1996, PPC, EKC, ENEL, done for SUDEL (in English)
- 1995 Choice of optimal variant of network 400 kV, 220 kV, 110 kV and 35 kV development in the area of Electric Distribution Niš, Leskovac and Vranje**
Institute "Nikola Tesla" Beograd, done for Electric Power Utility of Serbia, 250 pages, 1995 (in Serbian)
- Choice of electro-mechanical parameters of electric power units in HPP Dabar, Nevesinje and Bileća**
Institute "Nikola Tesla", Beograd, done for Electric Power Utility of Republic Srpska, 1995 (in Serbian)
- Feasibility study for installation of the new Hydro Power Stations (Dabar, Nevesinje and Bileca) in the Regional Power System of East Herzegovina**
Project Manager
Electricity Coordinating Center and Nikola Tesla Institute, 1995, done for Electric Power Utility of Republic Srpska, (in Serbian)
- Technical Feasibility Study of Interconnection of the Electric Power systems of Bulgaria (NEK) and Romania (RENEL) with the interconnected Power Systems of Greece (PPC), Power Systems under EKC coordination and Albania (KESH) for Parallel and synchronous Operation in compliance with UCPTTE regulations and standards, Part IV: Dynamic calculations for the year 1995**
Nikola Tesla Institute, Beograd, 1995, done for Electric Power Utility of Serbia (in English)
- 1994 Techno – economic analysis of placement providing of electrical energy and power from HPP HE Višegrad**
Institute "Nikola Tesla", Beograd, done for Electric Power Utility of Republic Srpska, 219 pages, 1994 (in Serbian)
- Technical and energy aspects of parallel synchronous operation of the Romanian electric power system RENEL within the European electric power systems interconnection UCPTTE, Part IIb: Load**

- flow and steady - state security analysis for the year 1995", Part IV: Transient stability and primary frequency control analysis for the year 1995

Nikola Tesla Institute, Beograd, 1994, done for Electric Power Utility of Serbia (in English)

1993

Project of prospective development of electric network 110 and 35 kV on suburban (and partly urban) area of electric distribution Belgrade till year 2010

Institute "Nikola Tesla" Beograd, done for Electric Distribution of Belgrade and Electric Power Utility of Serbia, 235 pages, 1993 (in Serbian)

Development of expert system for electric power system of Serbia – Data base for planning and exploitation of transmission network 400, 220 and 110 kV

Institute "Nikola Tesla", project done for Technology development fund for Ministry for science and technology Republic of Serbia, 72 pages, 1993 (in Serbian)

Analysis of possibilities for power supply the area of Republic Srpska and some parts of Republic Srpska Krajina (Bosanska Krajina - Semberija)

Institute "Nikola Tesla", done for Electric Power Utility of Republic Srpska, 77 pages, 1993 (in Serbian)

Possibilities and limitations for power supply from the region of East Herzegovina

Project Manager

Electricity Coordinating Center, 1993, done for Electric Power Utility of Republic Srpska, 66 pages, (in Serbian)

1992

Technical and energy aspects of parallel synchronous operation of the Bulgarian electric power system with the Yugoslav electric power system JUGEL and Greek power system within European electric power systems interconnection UCPT, Part I: Load - flow and steady - state security analysis", Part II: Steady state and dynamic stability of interconnection, Part III: Primary frequency control analysis

Nikola Tesla Institute, Beograd, 1992, done for Electric Power Utility of Serbia, 108 pages (in English)

Technical aspects of interconnecting the electrical power system of Macedonia and Albania at the 110, 220 and 400 kV voltage level

Nikola Tesla Institute, Beograd, 1992, done for Electric Power Utility of Macedonia and Albania, 315 pages (in Serbian)

Analysis of the possibility of electrical energy transit from the Interconnective power system of South Slav Republics - JUGEL, through the Hungarian power system, into the European electrical energy interconnection UCPT and vice versa

Nikola Tesla Institute, Beograd, 1992, done for JUGEL, 408 pages (in Serbian)

Analysis of electric network in RTB Bor in order to enable maintenance rationing and exploitation in network development

Institute "Nikola Tesla", Beograd, done for RTB Bor, Beograd, 198 pages, 1992 (in Serbian)

1991

Study of Yugoslav transmission network development till year 2000 in respect to year 2010

Electric Institute, Zagreb, Institute "Milan Vidmar", Ljubljana, Institute "Nikola Tesla", Beograd, done for JUGEL, 256 pages, 1991 (in Serbian)