

**ИЗБОРНОМ ВЕЋУ
ЕЛЕКТРОТЕХНИЧКОГ ФАКУЛТЕТА УНИВЕРЗИТЕТА У БЕОГРАДУ**

Предмет: Извештај Комисије о пријављеним кандидатима за избор у звање **гостујућег професора** за ужу научну област ЕЛЕКТРОЕНЕРГЕТСКИ СИСТЕМИ

На основу одлуке Изборног већа Електротехничког факултета број 2393 од 27.11.2014. године, а по објављеном конкурс за избор др Јовице Милановића, професор Универзитета у Манчестеру (*The University of Manchester, School of Electrical and Electronic Engineering*), у звање **гостујућег професора** за ужу научну област ЕЛЕКТРОЕНЕРГЕТСКИ СИСТЕМИ, именовани смо за чланове Комисије за избор.

На основу прегледа достављене документације подносимо следећи

ИЗВЕШТАЈ

А. Биографски подаци

Јовица Милановић, је рођен 10. децембра 1962. године у Округлици, Сврљиг, Република Србија. Крајем 1966. године долази у Београд где завршава основну школу (1977) и VI Београдску гимназију (1981), оба пута као најбољи ученик у генерацији. На Електротехнички факултет Универзитета у Београду се уписује 1981. а студије започиње по одслужењу војног рока септембра 1982. године. Дипломирао је 1987. године као најбољи студент на Енергетском одсеку. Магистрирао је 1991. године на Електротехничком факултету у Београду, а докторирао 1996. године на Универзитету у Њукаслу, Њукасл, Аустралија. Виши докторат (DSc) за рад у области „Уважавање непоузданости у студијама динамике електроенергетских система и квалитета електричне енергије“ добио је од Универзитета у Манчестеру, Манчестер, Велика Британија 2008. године.

По завршетку студија, годину дана ради у Енергопројекту (Хидроинжењеринг) у Београду, а затим у новембру 1988. године, прелази на Електротехнички факултет као асистент-приправник (асистент од 1991.) на катедри за Енергетске Претвараче и Погоне. У фебруару 1993. године одлази у Аустралију на докторске студије на Универзитет у Њукаслу. У фебруару 1996. године се запошљава као доцент на University of Tasmania, Хобарт, Аустралија где остаје до јануара 1998. године. У јануару 1998. напушта Аустралију и одлази у Велику Британију као доцент на Електротехничком факултету на University of Manchester Institute of Science and Technology (UMIST) који се 1. октобра 2004. године сједињује са Victoria University of Manchester и мења име у The University of Manchester. На Универзитету у Манчестеру бива унапређен у ванредног професора у марту 2001., редовног професора у марту 2003. и „катедарског“ професора 1. априла 2005. године.

Адреса: The University of Manchester, School of Electrical and Electronic Engineering
Ferranti Bldg. C10, Sackville Street, PO Box 88, Manchester M13 9PL, UK
Tel: +44 161 306 8724, Fax: +44 161 306 4820, E-mail: milanovic@manchester.ac.uk

ПРОФЕСИОНАЛНА КАРИЈЕРА:

1. Jan. 1998 –

The University of Manchester (formerly UMIST), School of Electrical and Electronic Engineering, PO Box 88, Manchester M60 1QD, UK

Feb 2014 - HEAD OF ELECTRICAL ENERGY AND POWER SYSTEMS GROUP

Oct 2013 - DEPUTY HEAD OF SCHOOL

May 2010 – Oct 2013 DIRECTOR OF EXTERNAL AFFAIRS

Apr. 2007 – May 2010 DIRECTOR OF RESEARCH

Apr. 2005 PROFESSOR, Chair in Electrical Power Engineering

Mar. 2003 – Mar. 2005 READER

Mar. 2001 – Mar. 2003 SENIOR LECTURER

Jan. 1998 – Mar. 2001 LECTURER

2. Feb. 1996 – Jan. 1998

The University of Tasmania, Department of Electrical Engineering and Computer Science, GPO Box 252-65, Hobart, Tas 7001, Australia

Position: **LECTURER**

3. Mar. 1993 - Jan. 1996

The University of Newcastle, Department of Electrical and Computer Engineering, Callaghan, NSW 2308, Australia

Position: **PhD Student & Part-time LECTURER and TUTOR**

4. Nov. 1988 - Feb. 1993

The University of Belgrade, Faculty of Electrical Engineering, Department of Power Converters and Drives, Belgrade, Yugoslavia

Nov. 1988 - Nov. 1991

Position: **ASSOCIATE TEACHING & RESEARCH ASSISTANT (ASSOCIATE LECTURER)**

Nov. 1991 - Feb. 1993

Position: **TEACHING & RESEARCH ASSISTANT (LECTURER - A)**

5. Nov. 1987 - Nov. 1988

“Energoprojekt Holding Corporation – Hidroinženjering

Bulevar Lenjina 12, 11000 Belgrade, Yugoslavia

Радно место: Дипл. инг. електротехнике

Oct. 1981 - Sept. 1982

Војни рок

Б. Дисертације

1. Sep. 2008

D.Sc. (Higher Doctorate), The University of Manchester, Manchester, D.Sc. Thesis: Dealing with uncertainties in power system dynamics and power quality studies

2. Mar. 1993- Feb. 1996 Ph.D. (Elec.Eng.), The University of Newcastle, Newcastle, Australia, Ph.D. Thesis: The influence of loads on power system electromechanical oscillations.

3. Oct. 1987- Oct. 1991 M.Sc. (Elec.Eng.) The University of Belgrade, Belgrade, Yugoslavia, M.Sc. Thesis: Torsional oscillations of the shafts of turbogenerators due to characteristic disturbances

4. Oct. 1982- Oct. 1987 Dipl.Ing. (Elec.), The University of Belgrade, Belgrade, Yugoslavia, Diploma Thesis:
Asynchronous starting of synchronous generator

ОБРАЗОВАЊЕ:

- Sep. 2008 **D.Sc.,** The University of Manchester, Manchester, UK
- Mar. 1993- Feb. 1996 **Ph.D. (Elec.Eng.),** The University of Newcastle, Newcastle, Australia
- Oct. 1987- Oct. 1991 **M.Sc. (Elec.Eng.),** The University of Belgrade, Belgrade, Yugoslavia
- Oct. 1982- Oct. 1987 **Dipl.Ing. (Elec.),** The University of Belgrade, Belgrade, Yugoslavia
- Sep. 1977- Sep.1981 6th Belgrade's Mathematical Grammar School, Belgrade, Yugoslavia

В. Наставна активност

The University of Manchester (formerly UMIST), School of Electrical and
Electronic Engineering, PO Box 88, Manchester M60 1QD,UK

Feb 2014 -	HEAD OF ELECTRICAL ENERGY AND POWER SYSTEMS GROUP
Oct 2013 -	DEPUTY HEAD OF SCHOOL
May 2010 – Oct 2013	DIRECTOR OF EXTERNAL AFFAIRS
Apr. 2007 – May 2010	DIRECTOR OF RESEARCH
Apr. 2005	PROFESSOR, Chair in Electrical Power Engineering
Mar. 2003 – Mar. 2005	READER
Mar. 2001 – Mar. 2003	SENIOR LECTURER
Jan. 1998 – Mar. 2001	LECTURER

Г. Библиографија научних и стручних радова

ИСТРАЖИВАЧКИ ПРОЈЕКТИ

Research grant income of about **£9.5M** is divided quite evenly between Power System Dynamics and Power Quality. The financial support for the research is provided about 66% by the Research Councils (UK and European Union) and 33% by UK/EU/overseas Industry.

ОБЈАВЉЕНИ РАДОВИ

The list of **300+** publications includes; **2** book chapter, **108** refereed journal papers (of which **66** in IEEE Transactions); **6** invited conference papers; **200+** international conference papers; **27** technical reports.

ЧЛАНСТВО У ПРОФЕСИОНАЛНИМ УДРУЖЕЊИМА

- 2012 **IEEE PES Distinguished Lecturer**
- 2010 - **Fellow** of the **IEEE**
- 2007 - **Fellow (foreign)** of the **Serbian Academy of Engineering Sciences**
- 2005 - **Fellow** of the **IET**
- 1999 - **Chartered Engineer** in the **UK**
- Member of 7(**Convenor of 2**) **IEEE /CIGRE/CIRE** Working Groups (Convenor of the CIGRE WG C4.6.05 and Co-Convenor of the CIGRE WG C4.1.12)

- 1996 -1998 Member of the Australian Panel of CIGRE Study Committee 38

INVITED KEY-NOTE CONFERENCE PRESENTATIONS (12)

INVITED INTERNATIONAL ACADEMIC PRESENTATIONS (40+)

Courses & tutorials (16); Lectures (27+)

INVITED INTERNATIONAL INDUSTRIAL PRESENTATIONS (50+)

Courses & seminars (41); Lectures (10+)

EXTERNAL RESEARCH (inter/national research funding agencies) EXAMINER/EVALUATOR (15)

EDITORIAL WORK (12)

INTERNATIONAL CONFERENCE CHAIRMAN (3)

INTERNATIONAL CONFERENCE PROGRAMME/ REVIEWING COMMITTEE MEMBER (36)

INTERNATIONAL CONFERENCE SESSION CHAIRMAN: (20+)

REVIEWER FOR INTERNATIONAL JOURNALS (27)

REVIEWER FOR INTERNATIONAL CONFERENCE (37)

EXTERNAL EXAMINER FOR PHD/MSC/MENG DEGREE (30+)

PhD (20); MEng (1 overseas)

SUPERVISION OF RESEARCH (100+)

Postdoctoral Research Associates- 9; Postgraduate Research Assistants-1; PhD students: 4 current (+ 1 co-supervised) and 22 graduated (+ 1 co-supervised); MSc students - 47 graduated ; Academic visitors-22

EXTERNAL APPOINTMENTS (2)

Since 2009/ 2010 Visiting Professor, University of Novi Sad, Novi Sad, Serbia

Since April 2012 Conjoint Professor, University of Newcastle, Newcastle, Australia.

ADVISING NATIONAL BODIES AND MEMBERSHIP OF INTERNATIONAL BODIES

- Member of a **Steering Committee** for “Work Stream 5 – Long Term Network Concepts and Options” of the Distribution Generation Coordinating Group established by the **UK** DTI and OFGEM Project Manager for the project 07- Power Quality.
- Member of the **International Advisory Board** (IAB) of the Collaborative Project “PEGASE” funded by the EU FP7 on the Pan European Energy Networks. (May 2009 – Jan 2011)
- Member of the Rolls-Royce Plc. **Executive Advisory Board** (Research and Technology – Energy: Electrical, Control Systems & Electronics) (Feb 2010 -)

Публиковани радови

Поглавља у књигама

2008 (1)

1. Z.Hanzelka and **J.V.Milanović**, *Principles of Electrical Power Control*, Chapter 2 in *Power Electronics in Smart Electrical Energy Networks*, editors R.Strzelecki and G.Benysek, Springer, 2008, ISBN: 978-1-84800-317-0, pp13-54 (42 pages)

2011 (1)

2. **J.V.Milanović**, I.Papic, A.A.Alabdujabbar and Y.Zhang, *Flexible AC Transmission Systems*, Section 37 in Volume 4: *Power Electronics and Motor Drives*, of *The Industrial Electronics Handbook, Second Edition*, editors [Bodgan](#)

[Wilamowski](#), J. David Irwin, Taylor & Francis Group, CRC Press, February 2011, ISBN: 978-1-4398028-9-2, pp37.1-37.29 (29 pages)

Papers in Refereed Journals

1991 (1)

1. **J.V.Milanovic**, "The influence of different switching times and regulators on the peak shaft torques of the turbine-generators", *Publications of the Faculty of the Electrical Engineering*, University of Belgrade, Vol. Electroenergetics, 1991, pp. 29-38.

1993 (1)

2. **J.V.Milanovic** and D.S.Petrovic, "Modelling of the components of the electro-mechanical system for analysing the electromechanical disturbances" (in Serbian), *'Tehnika' - Journal of The Institute of Engineers and Technicians of Yugoslavia*, No. 1/93, 1993, pp. E1-E6.

1995 (4)

3. **J.V.Milanovic** and I.A.Hiskens, "Effects of load dynamics on power system damping", *IEEE Transactions on Power Systems*, Vol. 10, No. 2, 1995, pp. 1022-1028.
4. **J.V.Milanovic** and I.A.Hiskens, "Effects of dynamic load model parameters on damping of oscillations in power system", *Electric Power System Research*, Vol. 33, No. 1, 1995, pp. 53-61.
5. I.A.Hiskens and **J.V.Milanovic**, "Load modelling in studies of power system damping", *IEEE Transactions on Power Systems*, Vol. 10, No. 4, 1995, pp. 1781-1788.
6. **J.V.Milanovic** and I.A.Hiskens, "Oscillatory interaction between synchronous generator and local voltage-dependent load", *IEE Proceedings C - Generation, Transmission and Distribution*, Vol. 142, No. 5, 1995, pp. 473-480.

1997 (2)

7. **J.V.Milanovic**, "Overview, current trends and latest results in estimating the effects of load modelling on power system damping and stability", *European Transactions on Electrical Power Engineering*, Vol 7, No. 2, 1997, pp 107-113.
8. I.A.Hiskens and **J.V.Milanovic**, "Locating dynamic loads which significantly influence damping", *IEEE Transactions on Power Systems*, Vol 12, No. 1, 1997, pp. 255-261.

1998 (2)

9. **J.V.Milanovic**, "The influence of shaft spring constant uncertainty on torsional modes of turbogenerator", *IEEE Transactions on Energy Conversion*, Vol 13, No. 2, 1998, pp. 170-175.
10. **J.V.Milanovic** and I.A.Hiskens, "Damping enhancement by robust tuning of SVC controllers in the presence of load parameters uncertainty" *IEEE Transactions on Power Systems*, Vol 13, No. 4, 1998, pp. 1298-1303.

1999 (2)

11. **J.V.Milanovic**, "On unreliability of exponential load models", *Electric Power System Research*, Vol. 49, No. 1, 1999, pp. 1-9.
12. **J.V.Milanovic**, I.A.Hiskens and V.A.Maslennikov, "Ranking loads in power system- comparison of different approaches", *IEEE Transactions on Power Systems*, Vol 14, No. 2, 1999, pp. 614-620.

2001 (1)

13. **J.V.Milanovic**, C.P.N.Fu, R.Radosavljevic and Z.Lazarevic "Sensitivity of torsional modes and maximum torsional torques to turbine-generator shaft mechanical parameters", *Electric Power Components and Systems*, Vol. 29, No. 10, 2001, pp. 867 – 881.

2002 (5)

14. **J.V.Milanovic**, A.J.Halley and M.Piekutowski, "Power system load model identification through simulation of field measurements", *European Transactions on Electrical Power Engineering*, Vol. 12, No. 2, 2002, pp. 151-158.
15. S.M.Ustinov, **J.V.Milanovic** and V.A.Maslennikov, "Inherent dynamic properties of interconnected power systems", *International Journal of Electrical Power and Energy Systems*, Vol. 24, No. 5, 2002, pp. 371-378.
16. V.A.Maslennikov, S.M.Ustinov and **J.V.Milanovic**, "Method for considering uncertainties for robust tuning of PSS and evaluation of stability limits", *IEE Proceedings C - Generation, Transmission and Distribution*, Vol. 149, No. 3, 2002, pp. 295-299.

17. V.A.Maslennikov, **J.V.Milanovic** and S.M.Ustinov, "Robust ranking of loads by using limited number of points from hyperspace of unknown parameters ", *IEEE Transactions on Power Systems*, Vol 17, No. 3, 2002, pp. 565-570.
18. **J.V.Milanovic**, "Damping of the low frequency oscillations of the generator: dynamic interactions and the effectiveness of the controllers ", *IEE Proceedings C - Generation, Transmission and Distribution* , Vol. 149, No. 6, 2002, pp. 753-760.
- 2003 (3)**
19. R.Radosavljevic and **J.V.Milanovic**, "New digital multi-speed method for indirect measurement of the transient electrical and shaft torques", *Electric Power Components and Systems*, Vol. 31, No. 2, 2003, pp.189-209.
20. **J.V. Milanovic** "Power quality: state of the art and future trends", "*Elektronika / Electronics*" Journal published by the Faculty of Electrical Engineering, University of Banja Luka, Bosnia and Herzegovina, Vol. 7, No. 2, 2003, pp. 32 –37. (selected paper from the 12th International Symposium on Power Electronics, Ee'03 ,Novi Sad, Serbia & Montenegro, 5-7 November 2003.)
21. S.Z.Djokic, **J.V. Milanovic**, J.J.M.Desmet, K. Stockman, and G.Vanalme, "Influence of Voltage Sags on Personal Computers and PWM Drives", (selected paper from the 12th International Symposium on Power Electronics, Ee'03 ,Novi Sad, Serbia & Montenegro, 5-7 November 2003.) "*Elektronika / Electronics*" Journal published by the Faculty of Electrical Engineering, University of Banja Luka, Bosnia and Herzegovina, Vol. 7, No. 2, 2003, pp. 110 –113.
- 2004 (3)**
22. **J.V.Milanovic** and A.S.Duque, "Identification of electromechanical modes and placement of PSSs using Relative gain array", *IEEE Transactions on Power Systems*, Vol. 19, No. 1, 2004, pp. 410-417.
23. S.Ž.Djokić, **J.V.Milanović**, and D. S. Kirschen, "Sensitivity of ac coil contactors to voltage sags, short interruptions and undervoltage transients", *IEEE Transactions on Power Delivery*, Vol 19, No. 3, 2004, pp. 1299 - 1307.
24. M.T.Aung, **J.V.Milanovic** and C.P.Gupta, "Propagation of Asymmetrical Sags and the Influence of Boundary Crossing Lines on Voltage Sag Prediction", *IEEE Transactions on Power Delivery*, Vol 19, No. 4, 2004, pp. 1819-1827.
- 2005 (8)**
25. **J.V.Milanovic**, M.T.Aung and C.P.Gupta, "The influence of fault distribution on stochastic prediction of voltage sags", *IEEE Transactions on Power Delivery*, Vol 20, No. 1, 2005, pp. 278-285.
26. S.Ž.Djokić, J.J.M.Desmet, G.Vanalme, **J.V.Milanović** and K.Stockman, "Sensitivity of Personal Computers to Voltage Sags and Short Interruptions", *IEEE Transactions on Power Delivery*, Vol 20, No. 1, 2005, pp. 375-383.
27. S.Ž.Djokić, K.Stockman, **J.V.Milanović**, J.J.M.Desmet and R.Belmans, "Sensitivity of AC Adjustable Speed Drives to Voltage Sags and Short Interruptions", *IEEE Transactions on Power Delivery*, Vol 20, No. 1, 2005, pp. 494-505.
28. R.Gnativ and **J.V.Milanovic**, "Qualitative and quantitative analysis of voltage sags in networks with significant penetration of embedded generation", *European Transactions on Electrical Power Engineering*, Vol.15, 2005, pp. 77-93.
29. S.Ž.Djokić and **J.V.Milanović**, "Sensitivity of electrical equipment to voltage sags and short interruptions: recommendations for testing", *Electrical Power Quality and Utilization Journal*, Vol. XI, No. 1, 2005, pp. 17-32.
30. S.Ž.Djokić, **J.V.Milanović**, D.Chapman and M.F.McGranaghan, "Shortfalls of existing methods for classification and presentation of voltage reduction events", *IEEE Transactions on Power Delivery*, Vol 20, No. 2, 2005, pp. 1640-1649.
31. S.Ž.Djokić, **J.V.Milanović**, D.J.Chapman, M.F.McGranaghan and D.S.Kirschen, "A New Method for Classification and Presentation of Voltage Reduction Events", *IEEE Transactions on Power Delivery*, Vol 20, No. 4, 2005, pp. 2576-2584.

32. J.Dragović, **J. V. Milanović**, V.A.Katić and M.T.Au, "Propagation and single-tuned filter based mitigation of harmonics in distribution networks", (*selected paper from the 13th International Symposium on Power Electronics, Ee'05*, Novi Sad, Serbia & Montenegro, 2-4 November, 2005. p T6.1) "*Elektronika / Electronics*" Journal published by the Faculty of Electrical Engineering, University of Banja Luka, Bosnia and Herzegovina, Vol. 9, No. 2, December 2005, pp. 60-65

2006 (9)

33. M.T.Aung and **J.V.Milanović**, "The influence of transformer winding connections on the propagation of voltage sags", *IEEE Transactions on Power Delivery*, Vol 21, No. 1, 2006, pp. 262-269.
34. M.T.Aung and **J.V.Milanović**, "Stochastic Prediction of Voltage Sags by Considering the Probability of the Failure of the Protection System", *IEEE Transactions on Power Delivery*, Vol 21, No. 1, 2006, pp. 322-329.
35. S.Ž.Djokić and **J.V.Milanović**, "Closure on Sensitivity of Personal Computers to Voltage Sags and Short Interruptions", *IEEE Transactions on Power Delivery*, Vol 21, No. 1, 2006, pp. 544-545.
36. C.P.Gupta and **J.V.Milanović**, "Probabilistic Assessment of Equipment Trips due to Voltage Sags", *IEEE Transactions on Power Delivery*, Vol 21, No. 2, 2006, pp. 711-718.
37. **J.V. Milanovic** and C.P.Gupta, " Probabilistic assessment of financial losses due to interruptions and voltage sags: Part I: The methodology", *IEEE Transactions on Power Delivery*, Vol 21, No. 2, 2006, pp. 918-924.
38. **J.V. Milanovic** and C.P.Gupta, " Probabilistic assessment of financial losses due to interruptions and voltage sags: Part II: Practical implementation", *IEEE Transactions on Power Delivery*, Vol 21, No. 2, 2006, pp. 925-932.
39. S.K.Yee and **J.V. Milanovic**, "Non-linear Time-response Optimisation Method For Tuning Power System Stabilizers", *IEE Proceedings C - Generation, Transmission an Distribution*, Vol. 153, Issue 3, May 2006, pp. 269-275
40. S.Ž.Djokić and **J.V.Milanović**, " Advanced Voltage Sag Characterisation I: Phase Shift", *IEE Proceedings C - Generation, Transmission an Distribution*, Vol. 153, Issue 4, August 2006, pp. 423-430.
41. S. Ž. Djokić, **J.V.Milanović**, D.Chapman, "Power Quality Standards: Shortfalls, Gaps and Ambiguities", in *Power quality application guide*, Section 5.4.1, Leonardo Power Quality Initiative, 2006

2007 (8)

42. **J.V.Milanovic**, H.Ali and M.T.Aung, "Influence of Distributed Wind Generation and Load Composition on Voltage Sags", *IET Proceedings - Generation, Transmission and Distribution*, Vol. 1, Issue 1, 2007, pp. 13-22.
43. S.Ž.Djokić, **J.V.Milanović** and S.M.Rowland, " Advanced Voltage Sag Characterisation II: Point on Wave", *IET Generation, Transmission an Distribution*, Vol. 1, Issue 1, 2007, pp. 146-154.
44. M.T.Au and **J.V. Milanovic**, "Development of Stochastic Aggregate Harmonic Load Model Based on Field Measurements", *IEEE Transactions on Power Delivery*, Vol 22, No. 1, 2007, pp. 323-330.
45. M.T.Au and **J.V. Milanovic**, "Planning Approaches for The Strategic Placement of Passive Harmonic Filters in Radial Distribution Network", *IEEE Transactions on Power Delivery*, Vol 22, No. 1, 2007, pp. 347-353.
46. M.Kayikci and **J.V. Milanovic**, "Reactive Power Control Strategies For DFIG Based Plants", *IEEE Transactions on Energy Conversion*, Vol 22, No. 2, 2007, pp. 389-396.
47. M.T.Au and **J.V. Milanovic**, "Establishing Harmonic Distortion Level of Distribution Network Based on Stochastic Aggregate Harmonic Load Models", *IEEE Transactions on Power Delivery*, Vol 22, No. 2, 2007, pp. 1086-1092.
48. S.Ž.Djokić, **J.V.Milanović**, "Power Quality and Compatibility Levels: A General Approach", *IEEE Transactions on Power Delivery*, Volume 22, No. 3, 2007, pp. 1857 - 1862
49. S.Bahadoorsingh, **J.V.Milanović**, Y. Zhang, C. P. Gupta, and J. Dragović, "Minimization of Voltage Sag Costs by Optimal Reconfiguration of Distribution Network Using Genetic Algorithms", *IEEE Transactions on Power Delivery*, Volume 22, No. 4, 2007, pp. 2271 - 2278

2008 (7)

50. D.P.Stojanović, L.M.Korunović, and **J.V.Milanović**, “Dynamic load modelling based on measurements in medium voltage distribution network”, *Electric Power System Research*, Vol. 78, 2008, pp. 228–238
51. S.K.Yee, **J.V.Milanović** and F.M.Hughes, “Overview and comparative analysis of gas turbine models for system stability studies”, *IEEE Transactions on Power Systems*, Volume 23, No. 1, 2008, pp. 108 – 118
52. **J.V.Milanović**, M.T.Aung and S.C.Vegunta, “The Influence of Induction Motors on Voltage Sag Propagation: Part I - Accounting for the change in sag characteristics”, *IEEE Transactions on Power Delivery*, Volume 23, No. 2, 2008, pp. 1063 – 1071.
53. **J.V.Milanović**, S.C.Vegunta and M.T.Aung, “The Influence of Induction Motors on Voltage Sag Propagation: Part II - Accounting for the change in sag performance at LV buses”, *IEEE Transactions on Power Delivery*, Volume 23, No. 2, 2008, pp. 1072 – 1078.
54. L.M.Korunović, D.P.Stojanović and **J.V.Milanović**, “Identification of Static Load Characteristics Based on Measurements in Medium Voltage Distribution Network”, *IET - Generation, Transmission and Distribution*, Vol. 2, No. 2, 2008, pp. 227-234.
55. M.Kayikci and **J.V.Milanović**, “Assessing Transient Responses Of DFIG Based Wind Plants – The Influence Of Model Parameters And Simplifications”, *IEEE Transactions on Power Systems*, Volume 23, No. 2, 2008, pp. 545 – 554.
56. S.K.Yee and **J.V. Milanovic**, “Fuzzy Logic Controller for Decentralized Stabilization of Multi-machine Power Systems”, *IEEE Transactions on Fuzzy Systems*, Volume 16, No.4, 2008, pp. 971-981
- 2009 (6)**
57. V.Calderaro, **J.V.Milanović**, M.Kayikci and A.Piccolo, “The impact of distributed generators on quality of electricity supply and transient stability of real distribution network”, *Electric Power System Research*, Vol. 79, Issue 1, January 2009, pp. 134-143.
58. M.Kayikci and **J.V.Milanović**, “Dynamic contribution of DFIG based wind plants to system frequency disturbances”, *IEEE Transactions on Power Systems*, Volume 24, No. 2, 2009, pp. 859-867.
59. Juan A. Martínez-Velasco, Nick Abi-Samra, Myo T. Aung (GB), Math Bollen (SE), Sasa Z. Djokić, Nikos Hatzargyriou, Roberto C. Leborgne, **J. V. Milanović**, Gabriel Olguin and Melanie Schilder, “Voltage Dip evaluation and prediction tools”, (CIGRE C4.102), *Electra*, No. 242, February 2009, pp.67-71.
60. R.Gnativ and **J.V.Milanović**, “Advanced characterisation of voltage sags and assessment of equipment sensitivity”, *International Journal of Power and Energy Systems* (ISSN 1078-3466), Volume 29, Issue 1, 2009, pp. 19-27.
61. S.K.Yee, **J.V.Milanović** and F.M.Hughes, “Phase compensated gas turbine governor for damping oscillatory modes”, *Electric Power System Research*, [Volume 79, Issue 8](#), August 2009, Pages 1192-1199.
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Д. Приказ и оцена научног рада кандидата

Кандидат је, као што је претходно приказано, публиковао више од 300 радова, од чега 108 у часописима са импакт фактором, од тога 66 радова у IEEE Transactions, презентовао је 6 радова по позиву на међународним конференцијама, публиковао је преко 200 радова на међународним конференцијама, 27 техничких извештаја и аутор је 2 поглавља у књигама. Оцена научног рада кандидата је изразито висока и због тога је Катедра за електроенергетске системе предложила кандидата за гостујућег професора.

Ж. Оцена испуњености услова

Кандидат др Јовица Милановић, испуњава све услове Закона о високом образовању (члан 66) и Статута Електротехничког факултета, Универзитета у Београду, (чланови 17 и 102), за избор у звање гостујући професор.

3. Закључак и предлог

Из изложеног се види да кандидат, др Јовица Милановић, професор на The University of Manchester, School of Electrical and Electronic Engineering, Велика Британија, испуњава све услове Закона о високом образовању (члан 66) и Статута Електротехничког факултета, Универзитета у Београду, (чланови 17 и 102), за избор у звање гостујући професор.

Др др Јовица В. Милановић, има докторат наука, објавио је више од 300 радова, од чега 108 у часописима са импакт фактором, од тога 66 радова у IEEE Transactions, презентовао је 6 радова по позиву на међународним конференцијама, публиковао је преко 200 радова на међународним конференцијама, 27 техничких извештаја и аутор је 2 поглавља у књигама. Оцена научног рада кандидата је изразито висока и због тога је Катедра за електроенергетске системе предложила кандидата др Јовицу Милановића за гостујућег професора.

Практично од дана дипломирања на Електротехничком факултету у Београду др Јовица Милановић има значајну сарадњу са Енергетским одсеком Електротехничког факултета.

Полазећи од анализе целокупне наставне и научно - истраживачке активности др Јовице Милановића, обима и квалитета његовог рада, а посебно стручног рада из области електроенергетских система, те његовог ангажовања и жеље да их пренесе студентима и колегама у Србији, предлагемо Изборном већу Електротехничког факултета, Универзитета у Београду, да га изабере у звање гостујући професор.

У Београду, 04.12.2014.

Чланови комисије:

др Никола Рајаковић, редовни професор
Универзитет у Београду – Електротехнички факултет

др Златан Стојковић, редовни професор
Универзитет у Београду – Електротехнички факултет

др Драган Тасић, редовни професор
Универзитет у Нишу - Електронски факултет