05.10.

На основу члана 121 Статута ПМФ-а одређени смо одлуком декана бр. 202/2-01 за чланове комисије за категоризацију радова М21А, М21, М22 и М23 пријављених кандидата за избор наставника. На основу приложене документације подносимо следећи извештај

Кандидат	Бр.радова М21А	Бр.радова М21	Бр.радова М22	Бр.радова М23	Укупно поена
Сузана Стаменковић	0	12	9	6	159

У прилогу се налазе бодовани радови.

У Нишу, 5. октобар 2018.

Проф. др Иван Манчев

Проф.др. Гордана Стојановић

Проф. др Мирослав Ћирић

Радови објављени у врхунским међународним часописима M21

1. V. Lj. Marković, S. R. Gocić, **S. N. Stamenković** and Z. Lj. Petrović, "*Study of relaxation kinetics in argon afterglow by the breakdown time delay measurements*", PHYSICS OF PLASMAS **Volume:** 12 **Issue:** 7 **Article Number:** 073502 **DOI:** 10.1063/1.1942499 (July 2005)
https://aip.scitation.org/doi/10.1063/1.1942499

2. V. Lj. Marković, **S. N. Stamenković**, S. R. Gocić and Z. Lj. Petrović, "*Experiment for measurements of the gas breakdown statistics by ramp voltage pulses*", REVIEW OF SCIENTIFIC INSTRUMENTS **Volume:** 77 **Issue:** 9 **Article Number:** 096104 **DOI:** 10.1063/1.2337099 (September 2006)
https://aip.scitation.org/doi/10.1063/1.2337099

3. V. Lj. Marković, S. R. Gocić and **S. N. Stamenković**, "*New distributions of the statistical time delay of electrical breakdown in nitrogen*", JOURNAL OF PHYSICS D-APPLIED PHYSICS **Volume:** 39 **Issue:** 15 **Pages:** 3317-3322 **DOI:** 10.1088/0022-3727/39/15/014 (July 2006)
http://iopscience.iop.org/article/10.1088/0022-3727/39/15/014/meta

4. V. Lj. Marković, S. R. Gocić, **S. N. Stamenković** and Z. Lj. Petrović, "*Metastable and charged particle decay in neon afterglow studied by the breakdown time delay measurements*", PHYSICS OF PLASMAS **Volume:** 14 **Issue:** 10 **Article Number:** 103504 **DOI:** 10.1063/1.2779279 (October 2007)
https://aip.scitation.org/doi/10.1063/1.2779279

5. V. Lj. Marković, S. R. Gocić and **S. N. Stamenković**, "*Fluctuations and correlations of the formative and statistical time delay in neon*", JOURNAL OF PHYSICS D-APPLIED PHYSICS **Volume:** 42 **Issue:** 1 **Article Number:** 015207 **DOI:** 10.1088/0022-3727/42/1/015207 (January 2009)
http://iopscience.iop.org/article/10.1088/0022-3727/42/1/015207/meta

6. S. R. Gocić, V. Lj. Marković and **S. N. Stamenković**, "*Determination of correlation coefficient of the statistical and formative time delay in nitrogen*", JOURNAL OF PHYSICS D-APPLIED PHYSICS **Volume:** 42 **Issue:** 21 **Article Number:** 212001 **DOI:** 10.1088/0022-3727/42/21/212001 (November 2009)
http://iopscience.iop.org/article/10.1088/0022-3727/42/21/212001/meta

7. V. Lj. Marković, S. R. Gocić and **S. N. Stamenković** "*Breakdown probability of neon under the influence of field electron emission and surface charges on the cathode surface*", APPLIED PHYSICS LETTERS **Volume:** 96 **Issue:** 6 **Article Number:** 061501 **DOI:** 10.1063/1.3310020 (February 2010)
https://aip.scitation.org/doi/abs/10.1063/1.3310020

8. **S. N. Stamenković**, S. R. Gocić, V. Lj. Marković and A. P. Jovanović, "*Multi-component non-stationary exponential distributions of the breakdown voltages and time delays in neon ramp breakdown experiments*", JOURNAL OF APPLIED PHYSICS **Volume:** 110 **Issue:** 10 **Article Number:** 103304 **DOI:** 10.1063/1.3660687 (November 2011)
https://aip.scitation.org/doi/abs/10.1063/1.3660687

9. V. Lj. Marković, A. P. Jovanović, **S. N. Stamenković** and B. Č. Popović, "*From binomial distribution of electron occurrence to Gauss and Gauss-exponential distribution of the statistical time delay: Analytical transition and simulations*", EPL **Volume:** 100 **Issue:** 4 **Article Number:** 45002 **DOI:** 10.1209/0295-5075/100/45002 (November 2012)
http://iopscience.iop.org/article/10.1209/0295-5075/100/45002/meta

10. A. P. Jovanović, M. N. Stankov, V. Lj. Marković and **S. N. Stamenković**, "*The validity of the one-dimensional fluid model of electrical breakdown in synthetic air at low pressure*", EPL **Volume:** 104 **Issue:** 6 **Article Number:** 65001 **DOI:** 10.1209/0295-5075/104/65001 (December 2013)
http://iopscience.iop.org/article/10.1209/0295-5075/104/65001/meta

11. V. Lj. Marković, B. Č. Popović, A. P. Jovanović, **S. N. Stamenković** and M. N. Stankov, "*Memory effect and time correlations in breakdown initiation of DC glow discharge in argon and synthetic air*", EPL **Volume:** 109 **Issue:** 1 **Article Number:** 15002 **DOI:** 10.1209/0295-5075/109/15002 (January 2015)
http://iopscience.iop.org/article/10.1209/0295-5075/109/15002/meta

12. A. P. Jovanović, V. Lj. Marković, **S. N. Stamenković**, M. N. Stankov, "*The glow discharge inception and post-discharge relaxation of charged and neutral active particles in synthetic air at low pressure*", JOURNAL OF PHYSICS D-APPLIED PHYSICS **Volume:** 48 **Issue:** 46 **Article Number:** 465204 **DOI:** 10.1088/0022-3727/48/46/465204 (November 2015)
http://iopscience.iop.org/article/10.1088/0022-3727/48/46/465204/meta

Радови објављени у истакнутим међународним часописима M22

1. V. Lj. Marković, **S. N. Stamenković**, S. R. Gocić and Z. Lj. Petrović, "*Stochastic and relaxation processes in argon by measurements of dynamic breakdown voltages*", CONTRIBUTIONS TO PLASMA PHYSICS **Volume:** 45 **Issue:** 7 **Pages:** 476-484 **DOI:** 10.1002/ctpp.200510053 (September 2005)
https://onlinelibrary.wiley.com/doi/full/10.1002/ctpp.200510053

2. V. Lj. Marković, **S. N. Stamenković** and S. R. Gocić, "*Formative time delay in nitrogen discharges at low pressure*", CONTRIBUTIONS TO PLASMA PHYSICS **Volume:** 47 **Issue:** 6 **Pages:** 413-420 **DOI:** 10.1002/ctpp.200710054 (September 2007)
https://onlinelibrary.wiley.com/doi/abs/10.1002/ctpp.200710054

3. V. Lj. Marković, **S. N. Stamenković**, S. R. Gocić and S. M. Đurić, "*Determination and modelling of the formative and statistical time delay in neon*", EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS **Volume:** 38 **Issue:** 1 **Pages:** 73-78 **DOI:** 10.1051/epjap:2007051 (April 2007)
https://www.epjap.org/articles/epjap/abs/2007/04/ap06291/ap06291.html

4. V. Lj. Marković, **S. N. Stamenković** and S. R. Gocić "*Empirical and semiempirical models of the formative time delay in nitrogen*", CANADIAN JOURNAL OF PHYSICS **Volume:** 86 **Issue:** 7 **Pages:** 947-951 **DOI:** 10.1139/P08-028 (July 2008)
http://www.nrcresearchpress.com/doi/abs/10.1139/p08-028#.W6StayZILIU

5. **S. N. Stamenković**, V. Lj. Marković, S. R. Gocić and A. P. Jovanović, "*Influence of different cathode surfaces on the breakdown time delay in neon DC glow discharge*", VACUUM

Volume: 89 **Special Issue:** SI **Pages:** 62-66 **DOI:** 10.1016/j.vacuum.2012.09.010 (March 2013)
https://www.sciencedirect.com/science/article/pii/S0042207X12004125

6. M. N. Stankov, A. P. Jovanović, V. Lj. Marković, **S. N. Stamenković**, "*Conversion of an atomic to a molecular argon ion and low pressure argon relaxation*", CHINESE PHYSICS B **Volume:** 25 **Issue:** 1 **Article Number:** 015204 **DOI:** 10.1088/1674-1056/25/1/015204 (January 2016)
http://iopscience.iop.org/article/10.1088/1674-1056/25/1/015204/meta

7. A. P. Jovanović, V. Lj. Marković, **S. N. Stamenković**, M. N. Stankov, B. Č. Popović, "*Distributions of the formative time delay in argon and synthetic air at low pressure*", IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION **Volume:** 23 **Issue:** 5 **Pages:** 2641-2648 **DOI:** 10.1109/TDEI.2016.005729 (October 2016)
https://ieeexplore.ieee.org/document/7736822/

8. **S. N. Stamenković**, V. Lj. Marković, A. P. Jovanović, M. N. Stankov, "*Nonstationary exponential distributions of the statistical breakdown time delay in argon dc glow discharge at low pressure*", ROMANIAN REPORTS IN PHYSICS **Volume:** 69 **Issue:** 2 **Article Number:** 408 (2017)
http://www.rrp.infim.ro/2017_69_2.html

9. A. P. Jovanović, **S. N. Stamenković**, M. N. Stankov and V. Lj. Marković, "Monte Carlo simulation of electron avalanches and avalanche size distributions in methane", CONTRIBUTIONS TO PLASMA PHYSICS **accepted for publication** (2018)
https://doi.org/10.1002/ctpp.201800034

Радови објављени у међународним часописима M23

1. V. Lj. Marković, S. R. Gocić, **S. N. Stamenković**, Z. Lj. Petrović and M. Radmilović, "*Determination of effective electron yield from swarm and time delay measurements*", EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS **Volume:** 14 **Issue:** 3 **Pages:** 171-176 **DOI:** 10.1051/epjap:2001152 (June 2001)
https://www.epjap.org/articles/epjap/abs/2001/06/ap0156/ap0156.html

2. V. Lj. Marković, S. R. Gocić, **S. N. Stamenković** and Z. Lj. Petrović, "*Study of transient processes in nitrogen by measurements of dynamic breakdown voltages*", EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS **Volume:** 30 **Issue:** 1 **Pages:** 51-56 **DOI:** 10.1051/epjap:2005002 (April 2005)
https://www.epjap.org/articles/epjap/abs/2005/04/ap03129/ap03129.html

3. **S. N. Stamenković**, V. Lj. Marković and S. R. Gocić, "*Comparative study of empirical and semiempirical models of the formative time delay in neon*", EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS **Volume:** 45 **Issue:** 1 **Article Number:** 11003 **DOI:** 10.1051/epjap:2008200 (January 2009)
https://epjap.epj.org/articles/epjap/abs/2009/01/ap08264/ap08264.html

4. M. N. Stankov, M. D. Petković, V. Lj. Marković, **S. N. Stamenković**, A. P. Jovanović, "*Numerical modelling of dc argon glow discharge at low pressure without and with ar (p-3(2)) metastable state*", ROMANIAN JOURNAL OF PHYSICS **Volume:** 59 **Issue:** 3-4 **Pages:** 328-338 (2014)
http://www.nipne.ro/rjp/2014_59_3-4.html

5. A. P. Jovanović, B. Č. Popović, V. Lj. Marković, **S. N. Stamenković**, M. N. Stankov, "*Mixture distributions for the statistical time delay in synthetic air at low pressure*", EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS **Volume:** 67 **Issue:** 2 **Article Number:** 20801 **DOI:** 10.1051/epjap/2014140145 (August 2014)
https://www.epjap.org/articles/epjap/abs/2014/08/ap140145/ap140145.html

6. M. N. Stankov, M. D. Petković, V. Lj. Marković, **S. N. Stamenković**, and A. P. Jovanović, "*The applicability of fluid model to electrical breakdown and glow discharge modeling in argon*", CHINESE PHYSICS LETTERS **Volume:** 32 **Issue:** 2 **Article Number:** 025101 **DOI:** 10.1088/0256-307X/32/2/025101 (February 2015)
http://iopscience.iop.org/article/10.1088/0256-307X/32/2/025101/meta