Списък на публикациите
на Георги Иванов Петков
представени за участие в конкурса

Степен/ длъжност	№	Публикация	Съществен принос	Точки	Група
	1	G. Petkov and S. Doytchinov, 1994, 'Application of Petri-Nets-Based Model to Reliability and Risk Analysis of Nuclear Power Plant,' Proceedings of PSAM-Il Conference (San Diego, CA, USA, 20-25 March 1994), Apostolakis et al , ed., Vol.1, pp.013 1-6.	да	10	Г
	2	G. Petkov and S. Doytchinov, 1995, 'Petri-Nets-Based Method to Reliability and Risk Analysis,' Proceedings of ASME/JSME-PVP Hawaii Conference (Honolulu, Hawaii, USA,23-27 July 1995), ASME PVP-Vo1.296, SERA-Vo|.3, pp. 537-542, ISBN: 0791813274.	да	10	Г
	3	G. Petkov, S. Doytchinov and J. Argirov, 1995, 'Applications of Petri-Nets-Based Method and Fuzzy Rules to Availability, Vulnerability and Decision Support Analysis of NPP,' Proceedings of ASME/JSME- PVP Hawaii Conference (Honolulu, Hawaii, USA,23-27 July 1995), ASME PVPVol.296, SERA-Vol.3, pp. 303-31 0, ISBN: 0791 813274.	да	10	Г
	4	G. Petkov and S. Doytchinov, 1995, 'Petri-Nets-Based Method for Availability and Risk Monitoring System,' Proceedings of IMECE'95 (San Francisco, CA, USA, 12-17 November 1995), ASME PVP Vol. 320, SERA-Vo|.S, pp.305-31 2, I SBN: 07 91 817 27 X.	да	10	Г
	5	J. Argirov and G. Petkov, 1995, 'Assessment of lnternal NPP Location Fire lmpact of Plant Normal Operation Mode and Fire Fighting Measure Urgency,' Proceedings of IMECE'95 (San Francisco, CA, USA, 12-17 November 1995), ASME PVP-Vol.320, SERA-Vol.S, pp.133-140, ISBN: 079181727X.	да	10	Г
	6	G. Petkov and S. Doytchinov, 1995,'Petri-Nets-Based Method andFuzzy ParametricAvailabilityfor Development and Updating NPP Reliability Database,' Proceedings of PSA'95 (Seoul, Korea, 26-30 November 1995), KAERI, Vol.2, pp.1059-1064.	да	10	Г
	7	G. Petkov and S. Doytchinov, 1996,'Application of Neural NetworkModuleforATRD Decision Support System,' Proceedings of ESREL'96 - PSAM-Ill (Crete, Greece, 24-28 June 1996), Springer London Ltd., Vol.3, pp.2147-2152.	да	10	Г
	8	G. Petkov and A. Atanassov, 'l 998, 'Application of Petri-Nets-Based Method for Top Level Risk Study of NPP,'Proceedings of ASME/JSME-PVP Conference (San Diego, USA,27-30 July 1998), ASME-PVP, Vol.378, pp.77-83.	да	10	Г

Главен асистент	9	G. Petkov and K. Furuta, 1998,'Application of PN-Based Method for ldentification and Classification of Human Actions in NPP TLRS,' Proceedings of PSAM-IV (New York, USA, 13-17 September 1998), Springer London Ltd., Vol.2, pp.1136-1141.	да	10	Г
	10	G. Petkov, 1999, 'Bayes' Approach to Specification of HCR Correlation Coefficients,' Proceedings of 1999 ASME-PVP Conference, (Boston, MA, USA, August 1-5,1999), ASME-PVP, Vo1.285, pp.310.	да	10	Г
	11	G. I. Petkov, 1999, Networked Risk images in Human Action Context, CT'99 Conference, (San Francisco, CA, USA, August 11 -14, 1 999) http.//www.cogtech.org/CT99.	да		
	12	G. Petkov2000,'ldentification and Fitting of Human Cognition Model, 'Proceedings of the ASME PVP Conference, Seattle, USA, ASME-PVP, Vol 400, pp. 35-48.	да	10	Г
	13	G. Petkov and S. Petkov, 2000, 'Towards Defense-in-Depth of Human-Machine interaction,' Proceedings of the PSAM-V Conference, Osaka, Japan, Universal Academy Press, lnc., ISBN 4946443-64-9, 2000.	да	10	Г
	14	G. Petkov & S. Petkov, 2000, 'Second Regeneration of Human Cognitive Reliability Correlation,' Proceedings of the PSAM-V Conference, Osaka, Japan, Universal Academy Press, lnc., ISBN 4946443- 64-9, 2000.	да	10	Г
	15	G. Petkov, P. Antao and C. Guedes Soares, 2001, 'Context Quantification of individual Performance in Accidents,' Proceedings of ESREL'2001 , Vol. 3, Torino, ltaly, 16-20 September 2001 , pp.1851÷1858.	да	10	Г
	16	G Petkov, 2002,'Quantitative Assessment of the Operators' Performance in Accident Events', 3rd lnternational Forum on Safety Engineering and Science (IFSES lll), Tokoroazwa, Saitama, Japan, 10-'11 January,2002.	да		
	17	G. Petkov, 2002, 'Reliability and Risk Analysis by ATRD Method,' Journal of Reliability Engineering Association of Japan, REAJ, Yol.24, No.2, 2002.3, pp.155-164, ISSN 0919-2697.	да		
	18	G Petkov,2002, 'Retrospective Human Reliability Analysis by Performance Evaluation of Teamwork Method,' Proceedings of the PSAM-VI Conference, (San Juan, Puerto Rico, USA, 23-28 June, 2002).	да	10	Г
	19	G Petkov and T Matsuoka, 2002, 'Reliability lnducements for Dynamic Systems by GO-FLOW and ATRD Methods,' Proc. of PSA'02 Conference, Detroit, Ml, USA, October 8-11, pp.391-398.	да	10	Г
	20	G. Petkov, V. Todorov, T. Takov, V. Petrov, V. Vladimirov, K. Stoychev, and I Chukov, 2004, 'Safety lnvestigation of Team Performance in Accidents', Journal of Hazardous Materials, ISSN: 0304-3894, Vol. 1 1 1, pp. 97-104. **(Q1)**	да	25	Б
	21	G Petkov and T. Matsuoka,2004,'Controllable Dynamic System Reliability Models for Risk Assessment of Process ControlSystems,'Proceedings of the PSAM 7 Conference, Berlin, Germany, 14-18 June, pp. 694-700.	да	10	Г

	22	G. Petkov, 2004, 'Dealing with Dynamic Aspects of Operators' Performance,' Proceedings of the FLINS'2004 Conference 'Applied Computational lntelligence', (6th lnternationalFuzzy Logic and lntelligent technologies in Nuclear Science Conference, Duinse Polders, Blankerberge, Belgium, September 1-3, 2004), World Scientific, ISBN 981-238-873-7, pp.677-683.	да		
	23	A. Spurgin and G. Petkov, 2005, 'Advanced Simulator Data Mining for Operators' Performance Assessment,' chapter in book 'lntelligent Data Mining'. Techniques and Applications' , Physica Verlag, pp 543-572.	да	15	Г
	24	A. J. Spurgin and G. l. Petkov, 2006, 'Power Plant Simulators: Data Collection and lnsights from Data', Journal of Safetyand Reliabilily'Human Performance DataCollection Edition', Vol.26, No.2, Summer 2006, p. 47-67, ISSN 0961-7353. **(Q4)**	да	12	Б
	25	G Petkov and M Pekov, 2007, 'Ageing Sensitivity Analysis by Dynamic Reliability Methods (GO-FLOW and ATRD)', Proceedings of EC Workshop on Use of PSA for Evaluation of lmpact of Ageing Effects on the Safety of NPP, Budapest, Hungary, November 15th-16th, 2007.	да		
	26	G. Petkov, 2008, 'Application of lmplicit and Explicit Reliability Models for lncorporating Ageing Effects,' Proc. of the PSAM 9 Conference, Hong Kong, China, May 18-23,2008, [PSAM0300], p 33-40.	да	10	Г
	27	G. Petkov, 2008, 'Validation and Verification of HRA Methods by NPP Simulator Exercises,' Proc. of the PSAM 9 Conference, Hong Kong, China, May 1B-23,2008, [PSAM-0302], p.159-166.	да	10	Г
	28	G. Petkov, V. Georgiev and E. Stefanov, 2009, 'On-line Workload Assessment by the PET Method', Proceedings of 17th lnternational Conference on Nuclear Engineering - ICONE17, Brussels, Belgium, July 12-16,2009, ICONE17-75352,1SBN: 978-0-7918-3852-5, Order No.: 1819CD.	да	10	Г
	29	E.Stefanov and G.Petkov, 2010, 'Sensitive Incorporation of Ageing Effects into PSA Model' Proceedings of the PSAM 10 Conference, Seattle, USA, June 7-11,2010 (Session 6-2).	да	10	Г
	30	V. lliev and G. Petkov, 2010,'Confidential Communication for Reliable lnformation and Knowledge Exchange,' Proceedings of PSAM10, Seattle, USA, June 7-11, 2010 (Session 9-8).	да	10	Г
	31	G. Petkov and V. lliev,2010,'Performance Evaluation of Teamwork ReflexiveAnalysis', TTI Journal "Computer Modeling and New Technology," Volume 14#4, pp.57-64, ISSN 1407-5806 & ISSN 1407- 5814, on-line:www tsi.lv **(Q3)**	да	15	Б
	32	G. Petkov, E. Kostov, G. Hristov and V. Georgiev,2012,'Spectrum Human ReliabilityAnalysis,' Proceedings of the PSAM 11 Conference, Helsinki, Finland, June25-29,2012,168_Th3-4_Petkov.	да	10	Г
	33	G. Petkov and E. Kostov, 2013, 'Risk Resonance Context in Nuclear Facilities,' Proceedings of PSAM 2013 Conference, Tokyo, Japan, April 14-18,2013, PSAM2O13-1029.	да	10	Г

доцент	34	E. Kostov & G. Petkov,2014,'Dynamic Context Quantification for Design Basis Accidents List Extension and Timely Severe Accident Management,' PSAM12 Conference, #490, Honolulu, USA, June 22-27.	да	10	Г
	35	G. Petkov, 2015, 'Symptom-Based Context Evaluation of Human Performance and Convergence of HEAP into lts HPLV,' ESREL 2015 Conference, M18_881, Zurich, Switzerland, September 7-10.	да	10	Г
	36	G. Petkov and l. Petkov, 2016, Accident measures feasibility study based on context evaluation of human performance in design extension conditions, ESREL 13 Conference: Risk, Reliability and Safety: lnnovating Theory and Practice, Walls, Revie & Bedford (Eds), ISBN 978-1-138-02997-2, Glasgow, UK, September 25-29, 201 6, pp.143-152.	да	10	Г
	37	G. Petkov, 2016,Zugzwang and Zeitnot Human Failure Events in Fukushima DaiichiAccident, PSAM 13 Conference, T07-08, A-298, Seoul, South Korea, October 2-7,2016.	да	10	Г
	38	G. Petkov and l. Petkov, 2017 , Team performance comparison in core-melt units of Fukushima Daiichi NPS based on dynamic context quantification of accident, PSAM Topical Conference 2017, Munich, Germany, June 7-9, Gesellschaft fur Anlagen- und Reactorsicherheit (GRS).	да	10	Г
	39	G. Petkov and l. Petkov,2017, Dynamic human performance context comparison for severe accident management during long term station blackout in light water reactors, ESREL 2017 Conference, Portoroz, Slovenia, June 18-22,2017, CRC Press, Taylor & Francis Group	да	10	Г
	40	G. Petkov, 201 8, Enhancing the Plant's Capability for Design Extension Conditions Based on Time- Dependent Context Evaluation of Human Performance in ATWS Events, ASME J. Nucl. Eng Radiat. Sci , NERS-16-1133, DOI: 10.1115114039000, 11 pages. **(Q3)**	да	15	Б
	41	G. Petkov and M. Vela-Garcia,2018, Severe Accident Context Quantification for Longterm Station Blackout in Boiling Water Reactor Nuclear Power Plants, ASME J. Nucl. Eng. Radiat. Sci., NERS-16-1134, DOI: 10.111511 4038928,4 pages. **(Q3)**	да	15	Б
	42	G. Petkov, Symptom-based context quantification for dynamic accident analysis, Safety Science Journal, https://doi.org/10.1016/j.ssci.2018.02.027, 13 pages. **(Q1)**	да	25	Б
	43	G. Petkov, 2018, Symptom-based approach for dynamic HRA and accident management, ESREL 2018 Conference, Trondheim, Norway, 17-21st June. https ://www.taylorfrancis.com/search?key=9780815386827	да	10	Г
	44	G. Petkov, 2018, Risk-informed context-based human reliability assessment method, PSAM 14 Conference, Los Angeles, CA, USA, September 16-21,2018, paper_88_1.	да	10	Г
	45	G. Petkov, 2019, Performance Evaluation of Teamwork generative data models for HRA data mining, ESREL 2019 Conference, Hannover, Germany, 22-26 September.	да	10	Г
			да **45**	**Б** **107**	**Г** **345**

<u>Легенда за оценка на конференциите</u>

За конференции *Probabilistic Safety Assessment and Management (PSAM)*

$$SJR_{PSAM16} = 0.127$$

За конференции *European Safety and Reliability Conference (ESREL)*

$$SJR_{ESREL} > 0.116$$

За конференции *American Society of Mechanical Engineers (ASME)* или

За конференции *International Conference for Nuclear Engineering (ICONE)*

$$SJR_{ASME} = SJR_{ICONE\text{-}ASME} = > 0.106$$

За конференции *Probabilistic Safety Assessment (PSA)*

$$SJR_{PSA} = > 0.116$$