Списък на публикациите
на Георги Петков (юли 2022г.)

1. П. Л. Макаровский, Г. И. Петков, 1991, «Анализ методов и программ расчета структурной надежности атомных электростанций», Вопросы надежности и безопасности АЭС // Труды МЭИ, Москва, Выпуск 646, с. 14-22.

2. Г. И. Петков, 1992, "Приложение на топологичните модели за анализ на надеждността на атомните електроцентрали", Сертификация по стандартизация и метрология, София, № 3, стр. 12-14, 19.

3. Петков Г.И., 1992, "Разработка методик и алгоритмов для моделирования и анализа надежности систем АЭС", дисс. к.т.н., МЭИ, Москва, Россия, 198с., 1992г.

4. Г. И. Петков, 1993, "Моделиране на надеждността и риска от използване на ЯЕЦ чрез използване на Петри-подобни ориентирани графи", Математически модели в ядрената безопасност и радиационната защита, КИАЕМЦ, София, стр. 16-24.

5. G. Petkov and S. Doytchinov, 1994, 'Application of Petri-Nets-Based Model to Reliability and Risk Analysis of Nuclear Power Plant,' Proceedings of PSAM-II Conference (San Diego, CA, USA, 20-25 March 1994), Apostolakis et al., ed., Vol.1, pp.013 1-6.

6. 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-Vol.296, SERA-Vol.3, pp. 537-542, ISBN: 0791813274.

7. 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. 303-310, ISBN: 0791813274.

8. 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 PVPVol.320, SERA-Vol.5, pp.305-312, ISBN: 079181727X.

9. J. Argirov and G. Petkov, 1995, 'Assessment of Internal NPP Location Fire Impact 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.5, pp.133-140, ISBN: 079181727X.

10. G. Petkov and S. Doytchinov, 1995, 'Petri-Nets-Based Method and Fuzzy Parametric Availability for Development and Updating NPP Reliability Database,' Proceedings of PSA'95 (Seoul, Korea, 26-30 November 1995), KAERI, Vol.2, pp.1059-1064.

11. G. Petkov and S. Doytchinov, 1996, 'Application of Neural Network Module for ATRD Decision Support System,' Proceedings of ESREL'96 - PSAM-III (Crete, Greece, 24-28 June 1996), Springer London Ltd., Vol.3, pp.2147-2152.

12. Г. Петков, 1996, "Изисквания за мониторинг на риска от АЕЦ", Сборник с доклади на ЕМФ'96 (Технически университет - София, България, 10-11 октомври 1996), Технически университет - София, том 1, № 23.

13. G. Petkov, P. Groudev and J. Argirov, 1997, 'A Procedure for Temperature-Stress Fields Calculation of VVER-1000 Primary Circuit in PTS Event,' Proceedings of the IAEA Specialists Meeting on 'Methodology for Pressurized Thermal Shock Evaluation' (Esztergom, Hungary, 5-8 May 1997), IAEA, Austria, IWG-LMNPP-96/1, pp.181-190.

14. G. Petkov, 1997, 'Application of Petri-Nets-Based Method for Reliability Analysis of NPP Safety System,' Proceedings of ESREL'97 (Lisbon, Portugal, 17-20 June 1997), Elsevier Ltd., ISBN: 0-08042835.

15. G. Petkov and A. Atanassov, 1998, '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.

16. G. Petkov and K. Furuta, 1998, 'Application of PN-Based Method for Identification 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.

17. G. Petkov and P. Groudev, 1999, 'Correlation between Human and Material Shocks In Symptom-Based Emergency Procedures,' Proceedings of 1999 ASME-PVP Conference (Boston, MA, USA, August 1-5, 1999), ASME-PVP, Vol.392, pp.25-35.

18. 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, Vol.285, pp.310.

19. G. I. Petkov, 1999, Networked Risk Images in Human Action Context, CT'99 Conference, (San Francisco, CA, USA, August 11-14, 1999) http://www.cogtech.org/CT99.

20. G. Petkov 2000, 'Identification and Fitting of Human Cognition Model,' Proceedings of the ASMEPVP Conference, Seattle, USA, ASME-PVP, Vol. 400, pp. 35-48.

21. 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, Inc., ISBN 4946443-64-9, 2000.

22. G. Petkov & S. Petkov, 2000, 'Second Regeneration of Human Cognitive Reliability Correlation,' Proceedings of the PSAM-V Conference, Osaka, Japan, Universal Academy Press, Inc., ISBN 4946443-64-9, 2000.

23. Петков, Г., Макроскопична вероятностна оценка на процеса на комуникация, Сборник с доклади на "ЕНЕРГИЕН ФОРУМ 2001", том II, с.166-169.

24. Петков, Г., Макроскопична вероятностна оценка на процеса на вземане на решение, Сборник с доклади на "ЕНЕРГИЕН ФОРУМ 2001", том II, с.170-173.

25. Петков, Г., Метод за оценка на надеждността на операторските действия, Сборник с доклади на "ЕНЕРГИЕН ФОРУМ 2001", том II, с.174-17.

26. G. Petkov, P. Antao and C. Guedes Soares, 2001, 'Context Quantification of Individual Performance in Accidents,' Proceedings of ESREL'2001, Vol. 3, Torino, Italy, 16-20 September 2001, pp.18511858.

27. G. Petkov, 2001, 'Cognitive Error Probability in Pressurized Shock Event,' Proceedings of the IAEA Technical Meeting 'Risk Informed Aspects of Nuclear Power Plant Life Management - Emphasis on Integrity of Primary Circuit Components, Budapest, Hungary, 8-10 October 2001, TWG-LMNPP-01/4, IAEA, Vienna, Austria, 2002, pp.224-239.

28. G. Petkov, 2002, 'Quantitative Assessment of the Operators' Performance in Accident Events', 3rd International Forum on Safety Engineering and Science (IFSES III), Tokoroazwa, Saitama, Japan, 10-11 January, 2002.

29. G. Petkov, 2002, 'Reliability and Risk Analysis by ATRD Method,' Journal of Reliability Engineering Association of Japan, REAJ, Vol.24, No.2, 2002.3, pp.155-164, ISSN 0919-2697.

30. 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).

31. G. Petkov and T. Matsuoka, 2002, 'Reliability Inducements for Dynamic Systems by GO-FLOW and ATRD Methods,' Proc. of PSA'02 Conference, Detroit, MI, USA, October 8-11, pp.391-398.

32. G. Petkov, V. Todorov, T. Takov, K. Stoychev, V. Vladimirov, I. Chukov and V. Petrov, 2003, 'Safety Investigation of Team Performance in Accidents', ESReDA Seminar on Safety Investigation of Accidents, EC-JRC, Petten, Netherlands, 12-13 May 2003, pp.292-305/1027-1073.

33. G. Petkov, V. Todorov, T. Takov, V. Petrov, V. Vladimirov, K. Stoychev, and I. Chukov, 2004, 'Safety Investigation of Team Performance in Accidents', Journal of Hazardous Materials, ISSN: 0304-3894, Vol. 111, pp. 97-104.

34. Б. Милев и Г. Петков, 2003, "Оценка на операторските действия в Чернобилската авария", Сборник с доклади на ЕМФ'2003, София, 31 октомври - 1 декември 2003, том. 1, pp. 131-136, ISNN 1310-9405.

35. Г. Петков, В. Тодоров, Т. Таков, В. Петров, В. Владимиров, К. Стойчев и И. Чуков, 2003 "Оценка на надеждността на операторите на БЩУ с помоща на ПМС-1000", Сборник с доклади на ЕМФ'2003, София, 31 октомври - 1 декември 2003 г., том. 1, стр. 137-142, ISNN 1310-9405.

36. G. Petkov and T. Matsuoka, 2004, 'Controllable Dynamic System Reliability Models for Risk Assessment of Process Control Systems,' Proceedings of the PSAM 7 Conference, Berlin, Germany, 14-18 June, pp. 694-700.

37. G. Petkov, 2004, 'Dealing with Dynamic Aspects of Operators' Performance,' Proceedings of the FLINS'2004 Conference 'Applied Computational Intelligence', (6th International Fuzzy Logic and Intelligent technologies in Nuclear Science Conference, Duinse Polders, Blankerberge, Belgium, September 1-3, 2004), World Scientific, ISBN 981-238-873-7, pp. 677-683.

38. Г. Петков, В. Тодоров, Т. Таков, В. Петров, В. Владимиров, К. Стойчев и И. Чуков, 2004 "Система за оценка на надеждността на операторите на БЩУ", Сборник с доклади на ЕМФ'04 (Варна, България, 20-21 септември 2004 г.), том. 1, стр. 102-107, ISNN 1310-9405.

39. T. Matsuoka and G. Petkov, 2004, 'Comparison between the GO-FLOW and the ATRD Methodologies for the Analysis of a Dynamic System', Proceedings of the EMF'04 Conference, (Varna, Bulgaria, 20-21 September, 2004), Vol.1, pp.108-113, ISNN 1310-9405.

40. Г. Петков, 2004, Радиационна защита, Учебник, Технически университет - София, 2004, 120с.

41. A. Spurgin and G. Petkov, 2005, 'Advanced Simulator Data Mining for Operators' Performance Assessment,' chapter in book 'Intelligent Data Mining: Techniques and Applications', Physica Verlag, pp.543-572.

42. Petkov, G., Mondeshky, I. and Milev, D., 2006, 'HRA Corroborative Studies Based on Dynamic Context Description', 3rd International Symposium on Systems & Human Science: Complex Systems Approaches for Safety, Security and Reliability (SSR 2006), EC-JRC, Vienna, Austria, 6-8 March 2006.

43. G. Petkov, 2006, 'Reliability and Risk Assessment of Dynamic Systems and Processes', JRC Information Day in Bulgaria, 28 April, 2006, http://www.jrc.cec.eu.int/more_information/infodays/200604_bulgaria/data/21%20petkov.pdf

44. A. Spurgin, A. Bareith, G. Petkov, Huhong He and Xiang-rui Huang, 2006, 'Analysis of Simulator Data for HRA Purposes,' Proceedings of the PSAM 8 Conference, (New Orleans, USA, May 14-19).

45. G. Petkov, A. Spurgin, V. Todorov and V. Papazov, 2006, 'Applicability of HRA Methods for External Event PSA Based on Simulator Training,' Proceedings of the PSAM 8 Conference, (New Orleans, USA, May 14-19, 2006).

46. A. J. Spurgin and G. I. Petkov, 2006, 'Power Plant Simulators: Data Collection and Insights from Data', Journal of Safety and Reliability 'Human Performance Data Collection Edition', Vol. 26, No. 2, Summer 2006, p. 47-67, ISSN 0961-7353.

47. G. Petkov, 2006, 'Evaluation of Communication and Decision-making Erroneous Actions Based on Dynamic Accident and Hazard Event Context Quantification,' Proceedings of the International Disaster Reduction Conference (Davos, Switzerland, August 27-September 1), Vol.2, p. 433-436.

48. Г. Петков и М. Пеков, 2006, "Анализ на комуникацията между операторите на БЩУ в процеса на вземане на решения за авария със скъсване на тръбичка в парогенератора", Сборник с доклади на конференцията на ЕМФ'2006, Варна, 18-20 септември 2006 г., том 1 стр. 110-115, ISSN 1310-9405.

49. М. Пеков и Г. Петков, 2006 г. "Оценка на влиянието на по-бързия човеко-машинен интерфейс върху надеждността на екипа от оператори на БЩУ по време на авария със скъсване на тръбичка в парогенератора", Сборник с доклади на конференцията ЕМФ'2006, Варна, 18-20 септември 2006 г., том.1, стр.104-109, ISSN 1310-9405.

50. Петков Г., Пеков М., Тодоров. В. и Стойчев К., 2006, „Приложение метода "Оценка групповой работы" для исследования чувствительности к факторам, влияющим на исполнение операторов", Сборник докладов рабочего совещания „ИНТЕРАТОМЭНЕРГО" на тему "Человеческий фактор в атомной энергетике", 25 сентебря – 2 октября 2006г., Варна, Золотые пески, Болгария (на русском языке).

51. Г. Петков, В. Тодоров, К. Стойчев, 2006 г. «Использование архивов регулярного обучения на полномашабного симмулятора для целей контроля надежности операторов БЩУ», Труды семинара "ИнтерАтомэнерго-2006", Варна, 25 сентября-2 октября, 2006 года Золотые пески, Болгария (на русском языке).

52. Б. Калчев, И. Мончева, Г. Петков, 2006, «Оценка надежности человека при пуске ВВЭР-1000», Труды семинара "ИнтерАтомэнерго-2006", Варна, 25 сентября-2 октября 2006 года Золотые пески, Болгария (на русском языке).

53. Г. Петков, 2007, "Алтернативни методи за оценка на надеждността и риска за включване на ефектите от застаряването във ВАБ", Сборник с доклади на конференцията ЕМФ'2007, Созопол, 18-20 септември, том. 1 стр. 110-115, ISSN 1310-9405.

54. Г. Петков, 2007, "Ретроспективный мониторинг работа операторов и анализ данных", Тезисы X Международной конференции «Безопасность и подготовка персонала АЭС», Обнинск, Россия, 1-4 октября 2007 г., стр. 88-89, ISBN 5-89075-028-3 (на русском языке).

55. Г. Петков, 2007, "Надежность динамической человеко-машинной системы безопасности", Тезисы X Международная конференция «Безопасность и подготовка персонала АЭС», Обнинск, Россия, 1-4 октября, стр. 87-88, ISBN 5-89075-028-3 (на русском языке).

56. G. Petkov, 2007, 'Application of Dynamic System Reliability Methods for Incorporation of Age-dependent Reliability Parameters and Data into the PSA Model', Proc. of 2nd IAEA International Symposium on Nuclear Power Plant Life Management, Shanghai, China, 15-18 October.

57. G. Petkov, 2007, 'Communication Errors in Risky Situations', Proceedings of the ERCES-SCRAE Conference, Sofia, Bulgaria, October 24th–26th, 2007.

58. 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 Impact of Ageing Effects on the Safety of NPP, Budapest, Hungary, November 15th–16th, 2007.

59. G. Petkov, 2008, 'Application of Implicit and Explicit Reliability Models for Incorporating Ageing Effects,' Proc. of the PSAM 9 Conference, Hong Kong, China, May 18-23, 2008, [PSAM0300], p.33, 8 pages.

60. G. Petkov, 2008, 'Validation and Verification of HRA Methods by NPP Simulator Exercises,' Proceedings of the PSAM 9 Conference, Hong Kong, China, May 18-23, 2008, [PSAM-0302], p.159, 8 pages.

61. Г. Петков, К. Филипов, Л. Лазаров, К. Стойчев, В. Велев, А. Григоров и Д. Попов, 2008 г. "Сравнителен анализ на методите за анализ на човешката надеждност за различни симулаторни данни за АЕЦ", Сборник на доклади на конференцията EMF'2008, Созопол, 17 - 20 септември 2008 г., том 1 стр. 110-115, ISSN 1310-9405.

62. В. Георгиев и Г. Петков, 2008 г., "Сравнителен анализ на методите за оценка на работното натоварване на операторите на БЩУ на АЕЦ", Сборник с доклади на конференцията на ЕМФ'2008, Созопол, 17-20 септември 2008 г., том 1 стр. .110-115, ISSN 1310-9405.

63. Г. Петков, Е. Стефанов, 2009, "Оценка надежности времен простоя в человеко-машинных процессах АЭС», Материалы шестой международной конференции «Математические методы в надежности» - MMR'2009, Москва, 22-27 июня, с.531 -534 (на русском языке).

64. G. Petkov, V. Georgiev and E. Stefanov, 2009, 'On-line Workload Assessment by the PET Method', Proceedings of 17th International Conference on Nuclear Engineering - ICONE17, Brussels, Belgium, July 12–16, 2009, ICONE17-75352, ISBN: 978-0-7918-3852-5, Order No.: I819CD.

65. Г. Петков, 2009, "Прилагане на принципа на разнообразието за защита от откази по обща причина в управляващите системи за безопасност", Сборник с доклади на конференцията на ЕМФ'2009, Созопол, 17-20 септември, том 1, стр. 4245, ISSN 1310-9405.

66. G. Petkov and V. Iliev, 2010, 'Reflexive Analysis of Operator's Erroneous Actions', Proceedings of SMRLO'10 Symposium, Beer Sheva, Israel, February 7–11, 2010.

67. G. Petkov, 2010, 'Statistical not Versus Functional Human Reliability Analysis,' Proceedings of SMRLO'10 Symposium, Beer Sheva, Israel, February 7–11, 2010.

68. 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).

69. V. Iliev and G. Petkov, 2010, 'Confidential Communication for Reliable Information and Knowledge Exchange,' Proceedings of PSAM10, Seattle, USA, June 7-11, 2010 (Session 9-8).

70. G. Petkov and V. Iliev, 2010, 'Performance Evaluation of Teamwork Reflexive Analysis', TTI Journal "Computer Modeling and New Technology," Volume 14#4, pp.57-64, ISSN 1407-5806 & ISSN 1407-5814, on-line:www.tsi.lv

71. Г. Христов и Г. Петков, 2010. "Оценка на надеждността на екипа от оператори на БЩУ по време на аварията 'Незатваряне на БРУ-А на парогенератор на ВВЕР-1000", Сборник с доклади на конференцията ЕМФ'2010, Созопол, 16-19 септември 2010 г., том 1 стр.45-49, ISSN 1310-9405.

72. Г. Георгиев и Г. Петков, 2010, "Пресмятане на активацията на материалите на първи контур и разработване на график на дезактивация за механични и йонообменни филтри на ВВЕР-1000", Сборник с доклади на конференцията ЕМФ'2010, Созопол, 16-19 септември 2010г., ISSN 1310-9405.

73. E. Stefanov and G. Petkov, 2010, 'A Case Study on Incorporation of Ageing Effects into the PSA Model of NPP with VVER-1000,' Proceedings of the EC Workshop on Investigation of Ageing Effects using the Probabilistic Safety Assessment, Kernkraftwerk Gösgen-Däniken, Switzerland, November 9th–10th, 2010.

74. Г. Петков и Е. Костов, 2011, "Граници на човешката надеждност при управление на ядрените електроцентрали", Сборник с доклади на конференцията ЕМФ'2011, том. 1, стр. 35-40, Созопол, 17-20 септември 2011 г., ISSN 1310-9405.

75. G. Petkov, E. Kostov, G. Hristov and V. Georgiev, 2012, 'Spectrum Human Reliability Analysis,' Proceedings of the PSAM 11 Conference, Helsinki, Finland, June 25-29, 2012, 16B_Th3-4_Petkov.

76. Е. Костов и Г. Петков, 2012г., "Анализ на стрес-тестове на атомни електроцентрали с реактори от ново поколение ВВЕР-1200", Сборник с доклади на конференцията ЕМФ'2012, Vol. 1, стр. 51-56, Созопол, 16-19 септември, ISSN 1310-9405.

77. G. Petkov and E. Kostov, 2013, 'Risk Resonance Context in Nuclear Facilities,' Proceedings of PSAM 2013 Conference, Tokyo, Japan, April 14-18, 2013, PSAM2013-1029.

78. G. Petkov and E. Kostov, 2013, 'Fukushima Daiichi Nuclear Accident Context Research-In-Depth', Proceedings of IAEA-CN-212, IAEA International Experts' Meeting on Human and Organizational Factors in Nuclear Safety in the Light of the Accident at the Fukushima Daiichi Nuclear Power Plant, Vienna, Austria, 21-24 May, 2013.

79. G. Petkov, 2013, 'How to Elucidate and Judge Shadow of Nuclear Safety Culture,' ANS Transactions, ANS Risk Management Topical Meeting, Washington D.C., USA, November 10-14, 2013.

80. 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.

81. G. Petkov, E. Kostov, K. Filipov, A. Stefanova, B. Atanasova, M. Andreeva and P. Groudev, 2015, 'Dynamic Context Evaluation of Human Actions in Severe Accident Analysis and Management,' ESREL 2015 Conference, M18_764, Zurich, Switzerland, September 7-10.

82. G. Petkov, 2015, 'Symptom-Based Context Evaluation of Human Performance and Convergence of HEAP into Its HPLV,' ESREL 2015 Conference, M18_881, Zurich, Switzerland, September 7-10.

83. G. Petkov and M. Vela-Garcia, 2016, Severe accident context evaluation for BWR NPPs based on long-term station blackout, ICONE24 2016 Conference, ICONE24-60923, Charlotte, NC, USA, June 26-30, JRC99058.

84. G. Petkov, 2016, Enhancing the plant's capability for design extension conditions based on best estimate context evaluation of human performance in ATWS events, ICONE24 2016 Conference, ICONE24-60707, Charlotte, NC, USA, June 26-30, 2016, JRC98245, 8 pages.

85. G. Petkov and I. Petkov, 2016, Accident measures feasibility study based on context evaluation of human performance in design extension conditions, ESREL 13 Conference: Risk, Reliability and Safety: Innovating Theory and Practice, Walls, Revie & Bedford (Eds), ISBN 978-1-138-02997-2, Glasgow, UK, September 25-29, 2016, pp.143-152.

86. G. Petkov, 2016, Zugzwang and Zeitnot Human Failure Events in Fukushima Daiichi Accident, PSAM 13 Conference, T07-08, A-298, Seoul, South Korea, October 2-7, 2016.

87. G. Petkov and I. 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).

88. G. Petkov and I. 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.

89. G. Petkov, 2017, 'Holistic Context Analysis for Dynamic HRA and Accident Management', IAEAJ4-TM-55244, IAEA TM on the Development of the Safety Report on Human Reliability Assessment for Nuclear Installations, Vienna, Austria, 13-17 November, 2017 P7_Petkov_IAEA_J4-TM-55244.

90. G. Petkov, 2018, 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: 10.1115/1.4039000, 11 pages.

91. G. Petkov and M. Vela-Garcia, 2018, Severe Accident Context Quantification for Long-term Station Blackout in Boiling Water Reactor Nuclear Power Plants, ASME J. Nucl. Eng. Radiat. Sci., NERS-16-1134, DOI: 10.1115/1.4038928, 4 pages.

92. 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.

93. G. Petkov, 2018, 'Dynamic Symptom-based Context Evaluation for Risk Aggregation and Association for Nuclear Facilities', IAEA-EVT1701308, IAEA TM on the Development of a Methodology for Aggregation of Various Risk Contributors for Nuclear Facilities, IAEA, Vienna, Austria, March 26-29.

94. 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

95. 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.

96. G. Petkov, 2019, Performance Evaluation of Teamwork generative data models for HRA data mining, ESREL 2019 Conference, Hannover, Germany, 22-26 September.

97. G. Petkov, 2019, Dynamic contextual multi-unit HRA and PSA, EVT1804903 IAEA Technical Meeting on Multi-Unit Probabilistic Safety Assessment, IAEA Headquarters, Vienna, Austria, 7-10 October.

98. G. Petkov, 2020, Dynamic Contextual Risk Monitoring on the KNPP Site for Optimization of the Safety Systems Operation, Maintenance and Repair, *IAEA-EVT1904091*, 29 September – 2 October.

99. G. Petkov, 2020, Contextual Interaction between PSA Level 1 and PSA Level 2 for Risk-Informed Optimization of the Kozloduy NPP Project and Technical Specifications, *IAEA-EVT2003080*, 4-7 May.

100. G. Petkov, 2022, Context awareness for uncertainty reduction in PSA and HRA, ESREL 2022 Conference, Dublin, Ireland, 28 August - 1 September (to be held).

101. G. Petkov, 2022, Contextual integrated risk-informed decision-making, EVT2005411: International Conference on Topical Issues in Nuclear Installation Safety: Strenghtening Safety of Evolutionary and Innovative reactor Designs, IAEA Headquarters, Vienna, Austria, 18-22 October.

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