

**Данні про цитування праць виконавців, які ввійшли до представленої роботи  
«Забезпечення функціональної безпеки критичних інформаційно-керуючих систем».**

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№ п.п.	Назва статті (монографії), автори, назва видання, рік, том, сторінка або DOI	Кількість посилань згідно бази даних		
		Scopus	Web of Science	Google Scholar
1	Image Database TID2013: Peculiarities, Results and Perspectives By: N. Ponomarenko, O. Ieremeiev, V. Lukin, K. Egiazarian, L. Jin, J. Astola, B. Vozel, K. Chehdi, M. Carli, F. Battisti, C.-C. Jay Kuo, SIGNAL PROCESSING: IMAGE COMMUNICATION, vol. 30, issue 1, pp. 57-77 Published: Jan. 2015	293	226	346
2	Color Image Database TID2013:Peculiarities and Preliminary Results By: N. Ponomarenko, O. Ieremeiev, V. Lukin, K. Egiazarian, L. Jin, J. Astola, B. Vozel, K. Chehdi, M. Carli, F. Battisti, C.-C. JayKuo, PROCEEDINGS OF EUVIP, Paris, France, pp. 106-111 Published:June 2013	221		265
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4	Local Signal-Dependent Noise Variance Estimation from Hyperspectral Textural Images By: Uss M., Vozel B., Lukin V., Chehdi K. IEEE JOURNAL OF SELECTED TOPICS IN SIGNAL PROCESSING, Vol. 5, No. 2, pp. 469-486 Published:Feb. 2011.	66	50	93

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9	Image Informative Maps for Component-wise Estimating Parameters of Signal-dependent Noise By: M.L. Uss, B. Vozel, V.V. Lukin, K. Chehdi JOURNAL OF ELECTRONIC IMAGING, Vol. 22, No 1, pp. 1-17 Published: Feb. 2013	40	19	48
10	Lossy Compression of Noisy Images Based on Visual Quality: a Comprehensive Study By: N. Ponomarenko, S. Krivenko, V. Lukin, K. Egjazarian, J. Astola EURASIP JOURNAL ON ADVANCES IN SIGNAL PROCESSING, pp.1-13. By:	40	28	50
11	A new color image database TID2013: Innovations and results By: Ponomarenko N., Ieremeiev O., Lukin V. LECTURE NOTES IN COMPUTER SCIENCE (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), pp. 402-413 Published: Nov. 2013	40	26	50
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20	Methods and automatic procedures for processing images based on blind evaluation of noise type and characteristics By: V. Lukin, S. Abramov, N. Ponomarenko, M. Uss, M. Zriakhov, B. Vozel, K. Chehdi, J. Astola SPIE JOURNAL ON ADVANCES IN REMOTE SENSING, pp. 1-27. Published: Jan. 2011	31		50
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26	Lossy Compression of Hyperspectral Images Based on Noise Parameters Estimation and Variance Stabilizing Transform By: A.N. Zemliachenko, R.A. Kozhemiakin, M.L. Uss, S.K. Abramov, N.N. Ponomarenko, V.V. Lukin, B. Vozel, K. Chehdi SPIE JOURNAL OF APPLIED REMOTE SENSING, Vol. 8, Issue 1, pp. 1-25 Published: Aug. 2014	28	18	40
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31	Wiener DCT Based Image Filtering By: O. Pogrebnyak, V. Lukin JOURNAL OF ELECTRONIC IMAGING, No 4, pp. 1-14 Published: Dec. 2012	20	9	42
32	Maximum Likelihood Estimation of Spatially Correlated Signal-Dependent Noise in Hyperspectral Images By: Uss M.L., Vozel B., Lukin V., Chehdi K. OPTICAL ENGINEERING, Vol. 51, Issue 11, pp. 1-12 Published: June 2013	20	9	38
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36	Checkability of the digital components in safety-critical systems: Problems and solutions By: Drozd A., Kharchenko V., Antoshchuk S., Sulima J., Drozd M. PROCEEDINGS OF IEEE EAST-WEST DESIGN AND TEST SYMPOSIUM, pp. 411-416 Published: 2011.	15		23
37	Insertion modeling system By: Letychevskiy O; Letichevsky,AA.; Peschanenko VS; INTERNATIONAL ANDREI ERSHOV MEMORIAL CONFERENCE ON PERSPECTIVES OF SYSTEM INFORMATICS Pages: 262-273 Published: JUN 2011	14		22
38	Multi-diversity versus common cause failures: FPGA-based multi-version NPP I&C systems By: Kharchenko, V., Siora, A., Sklyar, V., Volkoviy, A., Bezsaliy, V. PROCEEDINGS OF THE 7-TH INTERNATIONAL TOPICAL MEETING ON NUCLEAR PLANT INSTRUMENTATION, CONTROL, AND HUMAN-MACHINE INTERFACE TECHNOLOGIES, NPIC AND HMIT, vol. 2, pp. 1081-1092 Published: 2010	14		17
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41	Construction of convex continuations for functions defined on hypersphere By: Stoyan Y.G., Yakovlev S.V., Emets O.A., Valuiskaya O.A. CYBERNETICS AND SYSTEMS ANALYSIS, vol. 34, issue 2, pp. 176–184 Published: MAR 1998	13	7	16

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43	Diversity-scalable decisions for FPGA-based safety-critical I&C systems: From theory to implementation By: Kharchenko V., Bakhmach E., Siora A. PROCEEDINGS OF THE 6TH AMERICAN NUCLEAR SOCIETY INTERNATIONAL TOPICAL MEETING ON NUCLEAR PLANT INSTRUMENTATION, CONTROL, AND HUMAN-MACHINE INTERFACE TECHNOLOGIES, vol. 3, pp.1494-1505 Published: 2009	12		21
44	Resource-oriented approaches to implementation of traffic control technologies in safety-critical I&C systems By: Kuchuk G., Kovalenko A., Kharchenko V., Shamraev A. STUDIES IN SYSTEMS, DECISION AND CONTROL, pp.313-337 Published: 2017	12	2	20
45	Quadratic optimization on combinatorial sets in $R^n$ By: Stoyan Y.G., Yakovlev S.V., Parshin O.V. CYBERNETICS AND SYSTEMS ANALYSIS, vol. 27, issue 4, pp. 561-567 Published: JYL 1991	11	5	14
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54	<p>DCT-Based Color Image Denoising: Efficiency Analysis and Prediction  By: V. Lukin, S. Abramov, R. Kozhemiakin, A. Rubel, M. Uss  COLOR IMAGE AND VIDEO ENHANCEMENT, Ed.by M. Emre Celebi, M. Lecca and B. Smolka, Springer: Switzerland, pp. 55-80  Published: Sept. 2015</p>	9		10
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67	Security assessment of FPGA-based safety-critical systems: US NRC requirements context By: Kharchenko V., Kovalenko A., Siora O., Sklyar V. PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON INFORMATION AND DIGITAL TECHNOLOGIES, Published: 2015	8	3	12
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69	Implementation of the software defined radio concept in terahertz range based on Wi-Fi By: Narytnik T., Uryvsky L., Osypchuk S. PROCEEDINGS OF 2ND INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY, PIC S&T, pp. 209-212. Published: Febr. 2015	7	5	7
70	Convex extensions in combinatorial optimization and their applications By: Yakovlev S. OPTIMIZATION METHODS AND ITS APPLICATIONS. Edited S. Butenko et al. — Springer, NewYork, pp. 567-584 Published: DEC 2017	7	4	9
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82	Ukrainian NPP I&C standard base: Elaboration and application Yastrebenetsky M., Rozen Y., Siora A., Bezsaly V. 7TH INTERNATIONAL TOPICAL MEETING ON NUCLEAR PLANT INSTRUMENTATION, CONTROL, AND HUMAN-MACHINE INTERFACE TECHNOLOGIES, vol. 1, pp. 553-559 Published: 2010	4		4
83	Security and availability models for smart building automation systems Kharchenko, V., Ponochovnyi, Y., Qahtan, A.-S.M., Boyarchuk, A. INTERNATIONAL JOURNAL OF COMPUTING, vol.16(4), pp. 194-202 Published: 2017	4		4
84	Automatic Lossy Compression of Noisy Images by SPIHT or JPEG2000 in Optimal Operation Point Neighborhood By: A.Zemliachenko, S.Abramov, V.Lukin, B.Vozel, K.Chehdi PROCEEDINGS OF FEUVIP, Marseille, France, pp.1-6 Published: Oct. 2016	4		4
85	Insertion modeling and symbolic verification of large systems By: Letychevskiy O.; Letychevskiy A.; Peschanenko V.; Weigert T.; INTERNATIONAL SDL FORUM Pages: 3-18 Published: OCT 2015	4		6
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