LIST OF PUBLICATIONS

of **Dr. J. Sztrik**

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January 24, 2018

Books, book chapters

1. How to get easier with computer science
   Studium Press, Nyíregyháza, Hungary (1991, 1992)
   Co-author : R. Rigó, (in Hungarian)

2. How to pronounce
   Codex-3V, Debrecen, Hungary (1994)
   Co-author : R. Rigó, (in Hungarian)

3. How to translate
   APC-Studió, Gyula, Hungary (1995)
   Co-author : R. Rigó, (in Hungarian)

4. Finite-source Queueing Systems and their Applications
   Formal Methods in Computing, Chapter 7
   Akadémia Kiadó, Budapest, Hungary (2005), (Zbl 1110.68001)
   Editors : M. Ferenczi, A. Pataricza, L. Rónyai

5. Modeling and Analysis of Information Technology Systems
   GlobeEdit, OmniScriptum GmbH & Co, KG, Saarbrucken, Germany (2016)

6. Basic Queueing Theory
   GlobeEdit, OmniScriptum GmbH & Co, KG, Saarbrucken, Germany (2016)

Theses

1. On the machine interference problem
   Doctoral Dissertation, University of Debrecen, Debrecen, Hungary (1981), (in Hungarian)

2. Investigation of finite-source queueing systems
   Ph. D. Thesis, Kiev State University, Kiev, USSR (1989), (in Russian)

3. On finite-source queueing systems and their applications
   Habilitation Thesis, University of Debrecen, Debrecen, Hungary (1999), (in Hungarian)

4. On finite-source queueing systems and their applications
   Doctor of Science Thesis, Budapest, Hungary (2002), (in Hungarian)

Lecture Notes

1. Some applications of C-64 computers in teaching
   University of Debrecen, Hungary (1988), (in Hungarian)

2. Probability Theory and Mathematical Statistics; A Collections of Exercises
   University of Debrecen, Hungary (1989, 1993, 1995, 1997, 2000)
   Co-author : M. Nagy, (in Hungarian)

3. Numerical Analysis; A Collection of Exercises
University of Debrecen, Hungary (1990)
Co-author : M. Lénárd, (in Hungarian)

4. Elements of Operational Research
University of Debrecen, Hungary (1992)
Co-author : B. Glevitzky, (in Hungarian)

5. Foundations of Information Science; A Collections of Exercises
University of Debrecen, Hungary (1993)
Authors : B. Almási, G. Fazekas, A. Kuki, (in Hungarian)

6. An Introduction to Queueing Theory and its Applications
University of Debrecen, Hungary (1994, 2000, 2004), (in Hungarian)

7. About MACOM
University of Debrecen, Hungary (1995)
Co-author : B. Almási, (in Hungarian)

8. Foundations of Information Science; A Collections of Exercises with Solutions in Probability Theory
University of Debrecen, Hungary (2000, 2002)
Co-authors: K. Szirmai, B. Kiss, (in Hungarian)

9. A Key to Queueing Theory and its Applications
mobiDIÁK Library, University of Debrecen, Hungary (2000, 2004), (in Hungarian)

10 . Practical Queueing Theory
mobiDIÁK Library, University of Debrecen, Hungary (2004), (in English and in Hungarian)

11. Performance Evaluation of Computer Systems
mobiDIÁK Library, University of Debrecen, Hungary (2005), (in Hungarian)

12. Mathematical Modelling of Inventory and Queueing Problems
e-Note,University of Debrecen, Hungary (2005), (in Hungarian)

13. Mathematical Modelling of Inventory and Queueing Problems with Java applets
mobiDIÁK Library, University of Debrecen, Hungary (2005), (in Hungarian)

14. Performance modeling of informatics systems
Líceum Press, Eszterházy Károly College, Eger, Hungary (2007), (in Hungarian)

15. Performance modeling of information technology systems
Digital Library TÁMOP project, University of Debrecen, Debrecen, Hungary (2011),
(in Hungarian)

16. Performance modeling of information technology systems
Digital Library TÁMOP project, University of Debrecen, Debrecen, Hungary (2012),

Journal and Book Papers

1. Multiprogramming with heterogeneous jobs
Alkalmazott Matematikai Lapok 8 (1982) 285-296
Co-author : J. Tomkó, (in Hungarian) (MR 84m:68022, ZBl 525.68021, CS 0525.68021 MA)

2. On the machine interference problem
Publicationes Mathematicae 30 (1983) 165 - 175 (MR 85d:60180, ZBl 537.60096,
CS 0537.60096MA)

3. Probability model for non-homogeneous multiprogramming computer systems
Acta Cybernetica 6 (1983) 93 - 101 (MR 84e:68035, ZBl 515.68035, CS 0515.68035 MA)

4. A queueing model for multiprogrammed computer systems with different I/O times
Acta Cybernetica 7 (1985) 127-135 (MR 86e:68015, ZBl 563.68032, CS 0563.68032 MA)

5. On the finite-source G/M/r queues
European Journ. Oper. Res. 20 (1985) 261-268 (MR 86h:60204, ZBl 555.60053, CS 0555.60053MA)

6. A probability model for priority processor-shared multiprogrammed computer systems
Acta Cybernetica 7 (1986) 329-340 (MR 87f:68005, ZBl 587.68035, CS 0587.68035 MA)

7. On the n/G/M/1 queue and Erlang's loss formulas
Serdica 12 (1986) 321-331 (MR 89i:60192, ZBl 616.90021, CS 0616.90021MA)

8. A finite-source queueing model for manufacturing processes
Problems of Cont. and Inf. Theory 16 (1987) 449-457 (MR 930 654, ZBl 645.90029, CS 0645.90029MA)

9. A queueing model for processor-shared muliprogrammed computer systems with controlled ...
Journal of Infor. Proc. Cybern. 23 (1987) 217-225
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10. On the heterogeneous machine interference with limited server's availability
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Co-author A. Pósafalvi

11. On the (m,n)/M/M/1 priority queues and their applications
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12. On the heterogeneous M/G/n blocking system in Markovian environment
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13. Reliability of heterogeneous stand-by systems in Markovian environment
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14. A numerical approach to a finite-source queueing system with unreliable servers
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15. Investigations of stationary characteristics of a controlled finite-source G/M/r system
Serdica 14 (1988) 179-184 (MR 90f:60171, ZBl 662.60110, CS 0662.60110MA)

16. On the G/M/r/FIFO machine interference model with state-dependent speeds
Journal of Oper. Res. Soc. 39 (1988) 201-207 (ZBl 636.60096, CS 0636.60096 MA)

17. Some contribution to the machine interference problem with heterogeneous machines
Journal of Infor. Proc. Cybern. 24 (1988) 137-143
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18. A numerical approach to the repairman problem with two different types of machines
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25. A queueing model for a terminal system subject to breakdowns
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27. Asymptotic analysis of a complex renewable system with fast service
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Co-author : V.V. Anisimov, (in Russian)

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Theory of Probab. Math. Statist. 41 (1989) 116-120, (in Russian), 41 (1990) 137-141 (in English)
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Co-authors: A. Zreikat, G. Bolch

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Co-author: Che Soong Kim

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Co-authors: J. Roszik, C. Kim

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Co-authors: M. Lengyel. C.S. Kim

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Co-author: G. Balázsfalvi

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International Journal of Operational Research 2 (2007) 254-268 (MR 2 341 522, Zbl 1136.60368)
Co-authors: J. Roszik, J. Virtamo

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Co-authors: P. Orosz, C.S. Kim

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Co-author: J. Roszik

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IFIP WG 7.3 Workshop at Performance'93, Rome, Italy (1993) 17

9. Asymptotic Analysis of a Finite Buffer Queue in a Randomly Changing Environment
IFIP TC6 Working Group 6.4 and TC6 Task Force on Performance of Computer Networks, University of Bradford, England (1994)
Co-author: D.D. Kouvatsos

10. Modelling and Simulation of Markov Modulated Multiprocessor Systems with Petri Nets
7th European Simulation Symposium, Universty of Erlangen, Germany (1995)
Co-author: G. Bolch

11. Performance Simulation of a Non-Reliable Terminal System
Modelling and Simulation, ESM96, Budapest, Hungary(1996)
Co-author: B. Almási

12. On finite-source queueing models
Symposium on Operations Research (SOR96), Braunschweig, Germany (1996)

13. Software Tools in Teaching Queueing Theory
Informatics in the Hungarian Higher Education, Debrecen, Hungary (1996)
Co-author: B. Almási (in Hungarian)

14. A Queueing Model for a Non-Reliable Multi-Terminal System with Polling Scheduling
XVIII Seminar on Stability Problems of Stochastic Models, Debrecen, Hungary (1997), 18
Co-author: B. Almási

15. The effects of service disciplines on the performance of a non-reliable terminal system
XVIII Seminar on Stability Problems of Stochastic Models, Debrecen, Hungary (1997), 101
Co-author: B. Almási

16. Asymptotic Analysis of Markov-Modulated Multiprocessor Systems
13th United Kingdom Workshop on Performance Engineering of Computer and Telecommunication Systems, Ilkley, England (1997)

17. Asymptotic Analysis of a Finite-Source ATM System
5th IFIP Workshop on Performance Modelling and Evaluation of ATM Networks, Ilkley, UK (1997)

18. On optimal operation of a non-reliable terminal system
3rd International Conference on Applied Informatics, Eger, Hungary (1997)
Co-authors: B. Almási, G. Bolch, S. Greiner

19. Softver Tools in Queueing Theory
3rd International Conference on Applied Informatics, Eger, Hungary (1997)
Co-author: B. Almási

20. Asymptotic analysis of a heterogeneous finite-sourec Markov-modulated communication system
International Conference of the Performance and Management of Complex Communication Networks, Workshop 3, Queueing Theory and its Applications, Tsukuba, Japan (1997)

21. A simulation tool to evaluate the performance of finite source queueing models
XIX Seminar on Stability Problems of Stochastic Models, Vologda, Russia (1998),
Co-author: B. Almási

22. Reliability analysis of complex communication systems
XIX Seminar on Stability Problems of Stochastic Models, Vologda, Russia (1998)

23. Reliability analysis of finite-source information systems with different users
RelInCom'98, Symposium on Quality and Reliability in Information and Communication Technologies, Budapest, Hungary (1998)
Co-author: B. Almási

24. Optimization problems on the performance of a non-reliable terminal system
OR98, International Conference on Operations Research, Zurich, Switzerland (1998)
Co-author: B. Almási

25. Asymptotic Analysis of Complex Markov-Modulated Computer and Communication Systems
3rd Scandinavian-Ukrainian Conference in Probability and Statistics, Kiev, Ukraine (1999)

26. A Tool for Simulation of Markov-Modulated Finite-Source Queueing Systems
Messung Modellirung und Berwertung (MMB'99), Trier, Germany, (1999)
Co-author: O. Möller

27. On finite-sorce queueing systems operating in random environments
Informatics in the Hungarian Higher Education, Debrecen, Hungary (1999)
Co-author: O. Moller

28. Software Tool PEPSY-QNS in Teaching Queueing Theory
Informatics in the Hungarian Higher Education, Debrecen, Hungary (1999)
Co-authors: A. Kuki, G. Bolch (in Hungarian)

29. Stochastic simulation of Markov-modulated finite-source queueing systems
XX Seminar on Stability Problems of Stochastic Models, Lublin, Poland (1999)

30. Solving queueing networks with PEPSY-QNS
XX Seminar on Stability Problems of Stochastic Models, Lublin, Poland (1999)
Co-authors: A. Kuki, G. Bolch

31. Softver Tools for Modelling Terminal Systems
4th International Conference on Applied Informatics, Eger, Hungary (1999)
Co-authors: B. Almási, G. Bolch

32. Performance simulation of Markov-modulated finite-source queueing systems
4th International Conference on Applied Informatics, Eger, Hungary (1999)
Co-author: O. Moller

33. Softver Tools in Queueing Theory
4th International Conference on Applied Informatics, Eger, Hungary (1999)
Co-authors: A. Kuki, G. Bolch

34. Modeling Terminal Systems using MOSEL
11th European Simulation Symposium, Erlangen, Germany (1999)
Co-authors:B. Almási, G. Bolch

35. Reliability Analysis of Finite-Source Information Systems with Different Clients
COMCON 7, 7th Annual International Conference on Advances in Communication and Control, Athens, Greece (1999)
Co-author: B. Almási

36. Markov-Modulated Finite-Source Queueing Models and their Applications
XXI Seminar on Stability Problems of Stochastic Models, Eger, Hungary (2001)

37. An Educational Tool for Queueing Theory
5th International Conference on Applied Informatics, Eger, Hungary (2001)
Co-authors: A. Kuki, G. Bolch

38. Performability Modeling a Client-Server Communication System with Randomly Changing Parameters Using MOSEL
5th International Workshop on Performability Modeling of Computer and Communication Systems, Erlangen, Germany (2001)
Co-authors: B. Almási, G. Bolch

39. Performability Modeling of Non-homogeneous Terminal Systems Using MOSEL
5th International Workshop on Performability Modeling of Computer and Communication Systems, Erlangen, Germany (2001)
Co-authors: B. Almási, G. Bolch

40. Simulation of Markov-modulated finite-source queueing systems
XXV Hungarian Conference of Operations Research, Debrecen, Hungary (2001)
Co-authors: M. Kósa, O. Moller

41. Applying PEPSY-QNS for investigation of queueing systems
XXV Hungarian Conference of Operations Research, Debrecen, Hungary (2001)
Co-authors: A. Kuki, G. Bolch

42. MARKMOD – A software tool to implement finite-source Markov-modulated queueing systems
XXV Hungarian Conference of Operations Research, Debrecen, Hungary (2001)
Co-authors:B. Almási, G. Bolch

43. Optimization problems in non-reliable terminal systems using MOSEL
XXV Hungarian Conference of Operations Research, Debrecen, Hungary (2001)
Co-authors: B. Almási, M. Kósa

44. Modeling a Communication System with Randomly Changing Parameters Using MOSEL
COMCON8, 8th International Conference on Advances in Communication and Control, Crete, Greece, (2001)
Co-authors: B. Almási, G. Bolch

45. CAC Algorithm Based on Advanced Round Robin Method for QoS Networks
The 6th IEEE Symposium on Computers and Communications (ISCC 2001), Hammamet, Tunisia, (2001)
Co-authors: T. Marosits, S. Molnár

46. Solving Queueing Problems by the Help of WINPEPSY
Informatics in the Hungarian Higher Education, Debrecen, Hungary (2002)
Co-authors: A. Kuki, G. Bolch (in Hungarian)

47. A Key to Queueing Theory and its Applications
Informatics in the Hungarian Higher Education, Debrecen, Hungary (2002)
Co-authors: A. Gábor (in Hungarian)

48. Asymptotic reliability analysis of complex telecommunication systems with bursty arrivals and service
MMR2002, Third International Conference on Mathematical Methods in Reliability Methodology and Practice, Trondheim, Norway, (2002)

49. Solving finite source queuing problems with WinPepsy
XXII Seminar on Stability Problems of Stochastic Models, Varna, Bulgaria (2002)
Co-authors: A. Kuki, G. Bolch

50. Heterogeneous Finite-Source Retrial Queues
XXII Seminar on Stability Problems of Stochastic Models, Varna, Bulgaria (2002)
Co-authors: B. Almási, G. Bolch

51. The Effects of Service Disciplines on the Performance Measures of Markov Modulated Finite-Source Queuing Systems
XXII Seminar on Stability Problems of Stochastic Models, Varna, Bulgaria (2002)
Co-authors: M. Kósa, O. Moller

52. Asymptotic methods in modelling Markov-modulated finite-source queueing systems
Stochastik-Tage 2002, University of Magdeburg, Magdeburg, Germany (2002)

53. Heterogeneous Finite-Source Retrial Queues
Worshop on Optimal Stopping and Stochastic Games, Bedlewo, Poland (2002)
Co-authors: B. Almási, G. Bolch

54. Heterogeneous Finite-Source Retrial Queues with Server Subject to Breakdowns and Repairs
XXIII Seminar on Stability Problems of Stochastic Models, Pamplona, Spain (2003)
Co-authors: B. Almási, J. Roszik

55. Homogeneous Finite-Source Retrial Queues with Server Subject to Breakdowns and Repairs
5th EURO/INFORMS Joint International Meeting, Istanbul, Turkey (2003)
Co-authors: B. Almási, J. Roszik

56. Heterogeneous Finite-Source Retrial Queues in the Analysis of Communication Systems with CSMA/CD Protocols
International Conference << Modern Mathematical Methods of Analysis and Optimization of Telecommunication Networks >>, Gomel, Belorus, (2003)
Co-authors: G. Bolch, J. Roszik

57. Software Tools for Network Modelling
6th International Conference on Applied Informatics, Eger, Hungary (2004)
Co-authors: A. Kuki, G. Bolch

58. Differentiated Services Simulation using Traditional Schedulng Algorithms
6th International Conference on Applied Informatics, Eger, Hungary (2004)
Co-author: M. Lengyel

59. The Effect of Server's Breakdown on the the Performance of Finite-Source Retrial Queueing Systems
6th International Conference on Applied Informatics, Eger, Hungary (2004)
Co-authors: J. Roszik

60. Multiserver Retrial Queues with Finite Number of Heterogeneous Sources
6th International Conference on Applied Informatics, Eger, Hungary (2004)
Co-authors: J. Roszik, B. Almási

61. Finite-Source Retrial Queueing Systems with Heterogeneous Non-Reliable Servers and Different Service Policies
XXVI th Hungarian Operational Research Conference, Gyor, Hungary (2004)
Co-author: J. Roszik

62. Investigating DiffServ Topology Using Network Simulator
XXVI th Hungarian Operational Research Conference, Gyor, Hungary (2004)
Co-author: M. Lengyel

63. Softwer Tools for Performance Modelling of Computer Networks
XXVI th Hungarian Operational Research Conference, Gyor, Hungary (2004)
Co-author: A. Kuki

64. Retrial Queues for Performance Modelling and Evaluation of Heterogeneous Networks
HET-NET'04, Conference on Performance Modelling and Evaluation of Heterogeneeous Networks, lkley, England (2004)
Co-author: B. Almási, J. Roszik

65. Performance Analysis of Finite-Source Retrial Queues with Non-Reliable Heterogeneous Servers
XXIV Seminar on Stability Problems of Stochastic Models, Jurmala, Latvia (2004)
Co-author: J. Roszik

66. Performance Comparison of Traditional Schedulers in DiffServ Architectures Using NS
16th European Simulation Symposium , Budapest, Hungary (2004)
Co-author: M. Lengyel

67. Performance analysis of a proxy server
Informatics in the Hungarian Higher Education, Debrecen, Hungary (2005)
Co-author: T. Bérczes (in Hungarian)

68. Centralized EAP based authentication for wireless networks
Informatics in the Hungarian Higher Education, Debrecen, Hungary (2005)
Co-authors: P. Orosz, C.S. Kim (in Hungarian)

69. TCP analysis in DiffServ environment
Informatics in the Hungarian Higher Education, Debrecen, Hungary (2005)
Co-author: M. Lengyel (in Hungarian)

70. Tool supported performance modeling of info-communication systems
Informatics in the Hungarian Higher Education, Debrecen, Hungary (2005)
Co-author: C.S. Kim (in Hungarian)

71. The role of performance tools in modeling complex systems
7th International Conference on Applied Informatics, Eger, Hungary (2007)
Co-author: C.S. Kim

72. Diffserv investigation with Dummynet
7th International Conference on Applied Informatics, Eger, Hungary (2007)
Co-author: M. Lengyel

73. TCP dynamics and congestion control on asymmetric lines
7th International Conference on Applied Informatics, Eger, Hungary (2007)
Co-authors: P. Orosz, C.S. Kim

74. A queueing network model to study Proxy Cache Servers
7th International Conference on Applied Informatics, Eger, Hungary (2007)
Co-author:T. Bérczes

75. Modeling P2P protocols by cellular automata
7th International Conference on Applied Informatics, Eger, Hungary (2007)
Co-author: G. Balázsfalvi

76. Modeling finite-source retrial queueing systems with unreliable heterogeneous servers and different service policies using MOSEL
ASMTA 2007, 14th International Conference on Analytical and Stochastic Modelling Techniques and Applications, Prague, Czech Republic (2007)
Co-authors: G. Bolch, H. de Meer. J. Roszik, P. Wuechner

77. Structured Markov chains arising from finite-source retrial queues with orbital search
Numerical Methods for Structured Markov Chains, Dagstuhl Seminar, Dagstuhl, Germany (2007)
Co-authors: H. de Meer, P. Wuechner

78. Performance Evaluation of Proxy Cash Servers with Unreliable Web Servers
Informatics in the Hungarian Higher Education, Debrecen, Hungary (2008)
Co-author: T. Bérczes (in Hungarian)

79. Wavelet Analysis of IP-Phones Traffic inside pf QoS LAN Domain
Informatics in the Hungarian Higher Education, Debrecen, Hungary (2008)
Co-author: Z. Gál (in Hungarian)

80. DiffServ Emulation and Simulation
Informatics in the Hungarian Higher Education, Debrecen, Hungary (2008)
Co-author: M. Lengyel (in Hungarian)

81. Modeling Distributed Systems by Cellular Automata
Informatics in the Hungarian Higher Education, Debrecen, Hungary (2008)
Co-author: G. Balázsfalvi (in Hungarian)

82. Observing alternative TCP variants on high bandwidth-delay connections
Informatics in the Hungarian Higher Education, Debrecen, Hungary (2008)
Co-author: P. Orosz (in Hungarian)

83. Analyzing a Proxy Cache Server Performance Model with the Probabilistic Model Checker PRISM
WWV'09, 5th Int'l Workshop on Automated Specification and Verification of Web Systems, Hagenberg, Austria (2009)
Co-authors: T. Bérczes, G. Guta, G. Kusper, W. Schreiner

84. Tool supported reliability analysis of finite-source retrial queues
MMR09 - 6th International Conference on Mathematical Methods in Reliability Theory, Moscow, Russia (2009) 551-554
Co-author: D. Efrosinin

85. Controlable damage model with gradual failures
MMR09 - 6th International Conference on Mathematical Methods in Reliability Theory, Moscow, Russia (2009) 130-134
Co-author: D. Efrosinin

86. Comparing the performance modeling environment MOSEL and the Probabilistic Model Checker PRISM for modeling and analysing retrial queueing systems
International Conference on Probability and Statistics with Applications, Debrecen, Hungary (2009)
Co-authors: T. Bérczes, G. Guta, G. Kusper, W. Schreiner

87. Performance analyis of a proxy cache server model with external users using the Probabilistic Model Checker PRISM
International Conference on Probability and Statistics with Applications, Debrecen, Hungary (2009)
Co-authors: T. Bérczes, G. Guta, G. Kusper, W. Schreiner

88. Performance modeling tools
International Conference on Probability and Statistics with Applications, Debrecen, Hungary (2009)

89. Queueing Theory and its Applications
8th International Conference on Applied Informatics, Eger, Hungary (2010)

90. Finite-Source Retrial Queues with Applications
8th International Conference on Applied Informatics, Eger, Hungary (2010)
Co-authors: P. Wuechner, H. de Meer

90. A Survey on Java Meta Languagues
8th International Conference on Applied Informatics, Eger, Hungary (2010)
Co-authors: G. Kovásznai, G. Guta, G. Kusper, W. Schreiner

91. Tool supported analysis of queueing systems
International Conference on Modern Statistics, Theory and Applications II, Kyiv, Ukraine (2010)

92. Modeling wireless sensor networks using finite-source retrial queues with unreliable orbit
PERFORM Workshop, Vienna, Austria (2010)
Co-authors: P. Wuechner, H. de Meer

93. Performance evaluation of call centers
Informatics in the Hungarian Higher Education, Debrecen, Hungary (2011)
Co-author: A. Barnák

94. The impact of heterogeneous traffic on the performance of Proxy Cache servers
Informatics in the Hungarian Higher Education, Debrecen, Hungary (2011)
Co-author: T. Bérczes

95. The impact of heterogeneous traffic on the performance of Proxy Cache servers
Conference on Stochastic Models and their Applications, Debrecen, Hungary (2011)
Co-author: T. Bérczes

96. Tool supported analysis of queueing systems
Conference on Stochastic Models and their Applications, Debrecen, Hungary (2011)

97. Well-known formulas in queueing theory
35th Conference of Teachers of Mathematics, Physics and IT, Szolnok, Hungary (2011)
(in Hungarian)

98. Queuing Models with Two Types of Service: Applications for Dependability Planning of Complex Systems
Conference of MMR11 - 7th International Conference on Mathematical Methods in Reliability Theory, Beijing, China(2011)
Co-author: R. Kakubava

99. Queueing Theory and its Applications: A Personal View
SoICT 2012, 3rd International Symposium on Information and Communication Technology, Halong, Vietnam (2012)

100. A contribution to modeling sensor communication networks by using finite-source queueing systems
8th IEEE International Symposium on Applied Computational Intelligence and Informatics, **Timisoara, Romania** (2013)
Co-authors: T. Bérczes, B. Almási. A. Kuki

101. A Fluid Limit for the Engset Model, An Application to Retrial Queues
ICORES 2013, International Conference on Operations Research and Enterprise Systems, Barcelona, Spain (2013)
Co-authors: T. Bérczes, P. Orosz, P. Moyal, N. Limnios, S. Georgiadis

102. Discriminatory Processor Sharing from Optimization Point of View
ASMTA 2013, Analytical and Stochastic Modeling Techniques and Applications, Ghent, Belgium (2013)
Co-authors: J. Biró, T Bérczes, A Kőrösi, Z Heszberger,

103. Queueing Theory and Applications
1st International Conference on Computer Science, Applied Mathematics and Applications, Warsaw, Poland (2013)
Co-author: T.V. Do

104. A new model of finite-source retrial queues with multi-state server's breakdown
9th International Conference on Applied Mathematics, Baia Mare, Romania (2013)
Co-authors: T. Bérczes, B. Almási. A. Kuki, P. Moyal

105. An efficient method to solve a two-server heterogeneous retrial queue with threshold policy
9th International Conference on Applied Mathematics, Baia Mare, Romania (2013)
Co-authors: T.V. Do, R. Chakka, T. Bérczes, D. Efrosinin

106. Tool supported analysis of queueing systems with Future Internet applications
9th International Conference on Applied Mathematics, Baia Mare, Romania (2013)
Co-author: T. Bérczes,

107. Modeling the performance and the energy usage of wireless sensor networks by retrial queueing systems
8th ACM workshop on Performance Monitoring and Measurement of Heterogeneous Wireless and Wired Networks (PM2HW2N '13), Barcelona, Spain (2013)
Co-authors: T. Bérczes, B. Almási. A. Kuki, R. Kakubava

108. A queueing model to study the effect of network service breakdown in a CogInfoCom system
2013 IEEE 4th International Conference on Cognitive Infocommunications (CogInfoCom), Budapest, Hungary (2013)
Co-authors: T. Bérczes, B. Almási. A. Kuki

109. Using PRISM to model spectrum renting in mobile cellular networks
9th International Conference on Applied Informatics, Eger, Hungary (2014*)*
Co-authors: T. Bérczes, G. Kusper, W. Schreiner

110. A finite-source queueing model for mobile cellular networks applying spectrum renting and handovers
Informatics in the Hungarian Higher Education, Debrecen, Hungary (2014)
Co-authors: T. Bérczes, J. Wang , X. Zhang , F. Wang, Á. Horváth (in Hungarian)

111. Optimal allocation problem in a finite-source multi-server heterogeneous queueing system
First European Conference on Queueing Theory (ECQT14), Ghent, Belgium (2014)
Co-authors: D. Efrosinin

112. Investigating the effect of network service breakdown in multilayered cognitive communication system
5th IEEE International Conference on Cognitive Infocommunications, CogInfoCom 2014, Vietri, Italy (2014)
Co-authors: A. Kuki, T. Bérczes, B. Almási

113. Performance Modeling of Finite-Source Cognitive Radio Networks
10th International Conference on Queueing Theory and Network Applications (QTNA), Hanoi, Vietnam (2015)
Co-authors: A. Kuki, T. Bérczes, B. Almási, J. Wang

114. Comparative study regarding two implementations of an SEC-DED code with FPGA circuits
13th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, Romania (2015)
Co-authors: O. Novac, C. Grava

115. Performance Analysis and Statistical Modeling of the Single-Server Non-reliable Retrial Queueing System with a Threshold-Based Recovery
Information Technologies and Mathematical Modelling - Queueing Theory and Applications (ITMM 2015), Anzhero-Sudzhensk, Russia (2015)
Co-author: D. Efrosinin

116. Analysis of Queueing Models with State-Dependent Jump Priorities
18th International Scientific Conference on Distributed Computer and Communication Networks: Control, Computation, Communications (DCCN-2015), Moscow, Russia (2015)
Co-authors: A.Z. Melikov, A.M. Rustamov, T.I. Jafarzande

117. Optimal Control of a Two-Server Heterogeneous Queueing System with Breakdowns and Constant Retrials
Information Technologies and Mathematical Modelling - Queueing Theory and Applications (ITMM 2016), Katun, Russia (2016)
Co-author: D. Efrosinin

118. Hierarchical Space Merging Algorithm for Analysis of Two Stage Queueing Network with Feedback
Information Technologies and Mathematical Modelling - Queueing Theory and Applications (ITMM 2016), Katun, Russia (2016)
Co-authors: A. Melikov, L. Ponomarenko, A. Rustamov

119. Performance Modeling of Finite-Source Cognitive Radio Networks Using Simulation
19th International Scientific Conference on Distributed Computer and Communication Networks: Control, Computation, Communications (DCCN-2016), Moscow, Russia (2016)
Co-authors: T. Bérczes, H. Neomuchi, A.Z. Melikov

120. Reliability analysis of a controllable queueing system with two heterogeneous servers subject to failures
European Conference on Queueing Theory (ECQT 2016), Toulouse, France (2016)
Co-authors: D. Efrosinin, M. Farkhadov

121. Some Features of a Finite-Source M/GI/1 Retrial Queuing System with Collisions of Customers
20th International Scientific Conference on Distributed Computer and Communication Networks: Control, Computation, Communications (DCCN-2017), Moscow, Russia (2017)
Co-authors: A. Nazarov, A. Kvach

122. Simulation of Finite-Source Retrial Queueing Systems with Collisions and Non-reliable Server
20th International Scientific Conference on Distributed Computer and Communication Networks: Control, Computation, Communications (DCCN-2017), Moscow, Russia (2017)
Co-authors: Á. Tóth, T. Bérczes, A. Kvach

123. Performance Modeling of Finite-Source Retrial Queueing Systems with Collisions and Non-reliable Server Using MOSEL
20th International Scientific Conference on Distributed Computer and Communication Networks: Control, Computation, Communications (DCCN-2017), Moscow, Russia (2017)
Co-authors: T. Bérczes, Á. Tóth, A. Nazarov

124. Investigation of finite-source retrial queueing systems with collisions and nonreliable server using MOSEL
XXXIV International Seminar on Stability Problems for Stochastic Models (ISSPSM-2017), Debrecen, Hungary (2017)
Co-authors: T. Bérczes, A. Kuki, Á. Tóth

125. Numerical analysis of retrial queueing systems with conflict of customers
XXXIV International Seminar on Stability Problems for Stochastic Models (ISSPSM-2017), Debrecen, Hungary (2017)
Co-authors: A. Kuki, T. Bérczes, A. Kvach

126. Gaussian approximation of multichannel networks with different input structure
XXXIV International Seminar on Stability Problems for Stochastic Models (ISSPSM-2017), Debrecen, Hungary (2017)
Co-authors: H. Livinska, E. Lebedev

126. Performance simulation of finite-source cognitive radio networks with servers subject to breakdowns and repairs
XXXIV International Seminar on Stability Problems for Stochastic Models (ISSPSM-2017), Debrecen, Hungary (2017)
Co-author: H. Nemouchi

127. Recent results on finite source retrial queues with collisions
XXXIV International Seminar on Stability Problems for Stochastic Models (ISSPSM-2017), Debrecen, Hungary (2017)

128. Comparison of two operation modes of finite-source retrial queueing systems with collisions and non-reliable server by using simulation
XXXIV International Seminar on Stability Problems for Stochastic Models (ISSPSM-2017), Debrecen, Hungary (2017)
Co-authors: Á. Tóth, T. Bérczes, A. Kuki,

129. Performance Evaluation of Finite-Source Cognitive Radio Networks with Collision Using Simulation
8th IEEE International Conference on Cognitive Infocommunications (CogInfoCom-2017), Debrecen, Hungary (2017)
Co-author: H. Nemouchi

130. Finite source retrial queues with collisions
Informatics in the Hungarian Higher Education, Debrecen, Hungary (2017)

Seminars

1. An asymptotic approach to the multiple machine interference problem with Markovian environments
Cardiff, Bath, Newcastle (1990)

2. Some contributions to the heterogeneous machine interference problem
Liverpool, Bradford, Bristol (1990)

3. Approximate analysis of a heterogeneous multiprocessor system operating in a random ...
Birmingham, Sheffield, Bradford (1991)

4. Asymptotic analysis of a heterogeneous renewable complex system with random environments
Glasgow, Essex, London (1991)

5. Asymptotic analysis of a heterogeneous finite-source communication system ...
London, Lancaster, Oxford (1991)

6. On asymptotic methods in computer performance evaluation and reliability theory
Erlangen, Hamburg (1992)

7. On finite-source queueing models and their applications
Aachen, Munich, Erlangen, Dortmund, Hagen (1993)

8. On finite-source queueing models and their applications to computer systems
Aachen, Trier (1996)

9. On finite-source queueing models and their applications to computer systems
Canterbury (1997)

10. On asymptotic methods in computer performance evaluation
Science University of Tokyo, Nara Institute of Science and Technology (1997)

11. On asymptotic methods in the analysis of complex communication systems
Stuttgart, Trier (1998)

12. Asymptotic methods in the analysis of computer and communication systems
Berlin (1999)

13. On finite-source queueing models and their applications
Hamburg, Erlangen, Dresden, Rostock (2000)

14. On heterogeneous finite-source retrial queues and their applications
Erlangen, Freiburg (2002)

15. On heterogeneous finite-source retrial queues with unreliable server
Eindhoven, Tilburg, Amsterdam (2003)

16. On finite-source retrial queues with unreliable server and with different service disciplines
Helsinki, Linz (2004)

17. Finite-source retrial queues for performance modeling of telecommunication systems
Pohang Univesity of Science and Technology, Sangji University, Seoul National University, Kookmin Univesity, **Korea** (2005)

18. Finite-source retrial queues with server subject to breakdowns and repairs
Linz, Bécs (2005)

19. Finite-source retrial queueing systems with heterogeneous unreliable servers and different service policies
Helsinki, Jyvaskyla (2005)

20. Finite-source retrial queueing systems with applications
Passau, Trondheim, Sangji University, Korea (2006)

21. Finite-source retrial queueing systems with unreliable servers
KTH Stockholm, Innsbruck, Graz, Salzburg (2007)

22. Finite-source retrial queueing systems with communications applications
Bundeswehr University, Neubiberg (2008)

23. Recent results on finite-source retrial queueing systems with applications
Dongseo University, Busan, Korea (2009)

24. Tool supported performance modeling of finite-source retrial queueing systems
University of Erlangen, Bundeswehr University, Neubiberg (2009)

25. Tool supported performance modeling of finite-source retrial queueing systems
Georgian Technical University, Tbilisi, Georgia (2010)

26. Recen results on tool supported modeling of finite-source retrial queueing systems
St. Petersburg State University, Russia (2010)

27. Tool supported analysis of queueing systems
Beijing Jiaotong University, China (2011)

28. Recent results on tool supported analysis of retrial queueing systems
Kyoto University, Waseda University, Tokyo, Japan (2012)

29. Future Internet Research in Hungary
KTH, Royal Institute of Technology, Stockholm, Sweden (2012)

30. Tool supported analysis of retrial queueing systems
Institute of Mathematics and Information Technologies of the National Academy of Sciences of Uzbekistan, Tashkent, Uzbekistan (2012)

31. The effect of the Bologna-process on the Hungarian higher education system
Tashkent Institute of Architecture and Construction, Tashkent, Uzbekistan (2012)

32. Introduction of the FIRST Project (Future Internet Research, Services and Technology)
Johannes Kepler University, Linz, Austria (2013)

33. Introduction of the FIRST Project (Future Internet Research, Services and Technology)
Compiegne University of Technology, Compiegne, Franciaország (2013)

34. Introduction of the FIRST Project (Future Internet Research, Services and Technology)
Georgian Technical University, Tbilisi, Grúzia (2013)

35. Introduction of the FIRST Project (Future Internet Research, Services and Technology)
Aalto University, Helsinki, Finnország (2013)

36. Introduction of the FIRST Project (Future Internet Research, Services and Technology)
University of Jyvaskyla, Jyvaskyla, Finnország (2013)

37. Tool supported analysis of cognitive info-communication systems
Johannes Kepler University, Linz, Austria (2014)

38. A queueing model to study the effect of service network breakdown in a CogInfoCom system
Institute of Cybernetics, Qafquaz University, Baku, Azerbaijan (2014)

39. Introduction of the FIRST Project (Future Internet Research, Services and Technology)
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