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Co-author: G. Balázsfalvi (in Hungarian) presented by G. Balázsfalvi

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

82. **Tool supported reliability analysis of finite-source retrial queues**
MMR2009, 6th International Conference on Mathematical Methods in Reliability, Moscow, Russia (2009) pdf 306 Kb (colour slides)
Co-author: D. Efrosinin, presented by J. Sztrik

83. **Controlable damage model with graduate failures**
MMR2009, 6th International Conference on Mathematical Methods in Reliability, Moscow, Russia (2009)
Co-author: D. Efrosinin, presented by D. Efrosinin

84. **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, presented by G. Kusper

85. **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, presented by T. Bérczes

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

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

88. **Queueing Theory and its Applications**
8th International Conference on Applied Informatics, Eger, Hungary (2010) pdf 732 Kb

89. **Finite-Source Retrial Queues with Applications**
8th International Conference on Applied Informatics, Eger, Hungary (2010) pdf 648 Kb
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, presented by G. Kusper

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, presented by H. de Meer

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

94. **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, presented by T. Bérczes

95. **Tool supported analysis of queueing systems**
Conference on Stochastic Models and their Applications, Debrecen, Hungary (2011) pdf 650 Kb

96. **Well-known formulas in queueing theory**
35th Conference of Teachers of Mathematics, Physics and IT (MAFIOK), Szolnok, Hungary (2011) (in Hungarian) pdf 700 Kb , video 17 Mb

97. **Queuing Models with Two Types of Service: Applications for Dependability Planning of Complex Systems**
MMR2011, 7th International Conference on Mathematical Methods in Reliability, Beijing, China (2011)
Co-author: R. Kakubava, presented by R. Kakubava

98. **Queueing Theory and its Applications: A Personal View**
SoICT 2012, 3rd International Symposium on Information and

Communication Technology, Halong, Vietnam (2012)
Invited key-note speaker

99. **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, presented by P. Moyal

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, presented by A. Kuki

101. **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. , A. Korosi, Z. Heszberger, presented by T. Bérczes

102. **Queueing Theory and Applications**
1st International Conference on Computer Science, Applied Mathematics and Applications, Warsaw, Poland (2013)
Co-author: T.V. Do, presented by T.V. Do and J. Sztrik

103. **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, presented by A. Kuki

104. **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, presented by T. Bérczes

105. **Tool supported analysis of queueing systems with Future Internet applications**
9th International Conference on Applied Mathematics, Baia Mare, Romania (2013) pdf 667 Kb
Co-author: T. Bérczes, invited talk

106. **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, presented by A. Kuki

107.   **A queueing model to study the effect of service network breakdown in a CogInfoCom system**
4th IEEE International Conference on Cognitive Infocommunications, CogInfoCom 2013, Budapest, Hungary (2013) [pdf 770 Kb](#)
Co-authors: T. Bérczes, B. Almási, A. Kuki

108.   **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, presented by T. Bérczes

109.   **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), presented by T. Bérczes

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

111.   **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, presented by A. Kuki

112.   **Performance Modeling of Finite-Source Cognitive Radio Networks**
10th International Conference on Queueing Theory and Network Applications (QTNA), Hanoi, Vietnam (2015)[pdf 627 Kb](#)
Co-authors: A. Kuki, T. Bérczes, B. Almási, J. Wang

113.   **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, presented by O. Novac

114.   **Performance Analysis and Statistical Modeling of the Single-Server Non-reliable Retrial Queueing System with a Threshold-Based Recovery**

Information Technologies and Mathematical Modelling Communications in Computer and Information Science (ITMM 2015), Anzhero-Sudzhensk, Russia (2015)
Co-author: D. Efrosinin, presented by D. Efrosinin
115. **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, presented by A.Z. Melikov

116. **Optimal Control of a Two-Server Heterogeneous Queueing System with Breakdowns and Constant Retrials**
Information Technologies and Mathematical Modelling Communications in Computer and Information Science (ITMM 2016), Anzhero-Sudzhensk, Russia (2016)
Co-author: D. Efrosinin, presented by D. Efrosinin
117. **Hierarchical Space Merging Algorithm for Analysis of Two Stage Queueing Network with Feedback**
Information Technologies and Mathematical Modelling Communications in Computer and Information Science (ITMM 2016), Anzhero-Sudzhensk, Russia (2016)
Co-authors: A. Melikov, L. Ponomarenko, A. Rustamov presented by A. Melikov
118. **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, presented by D. Efrosinin

Oktatási jegyzetek / Lecture notes

1. **Some applications of C-64 computers in teaching** (in Hungarian)
University of Debrecen, Hungary (1988)
2. **Probability Theory and Mathematical Statistics** (in Hungarian)
A Collection of Exercises
University of Debrecen, Hungary (1989,1992, 1995, 1997, 2000)
Co-author : M. Nagy
Lecture Notes
3. **Numerical Analysis** (in Hungarian)
A Collection of Exercises

University of Debrecen, Hungary (1990)
Co-author : M. Lénárd

4. **Elements of Operational Research** (in Hungarian)
University of Debrecen, Hungary (1992)
Co-author : B. Glevitzky
[Lecture Notes](#)

5. **Foundations of Information Science** (in Hungarian)
A Collection of Exercises
University of Debrecen, Hungary (1993)
Co-authors : B. Almási, G. Fazekas, A. Kuki

6. **An Introduction to Queueing Theory and its Applications** (in Hungarian)
University of Debrecen, Hungary (1994, 2000)
(in Hungarian, on-line, distance learning electronic version)
University of Debrecen, Hungary (2004)
[e-Notes](#)

7. **About MACOM** (in Hungarian)
University of Debrecen, Hungary (1995)
Co-author : B. Almási
[Lecture Notes](#)

8. **A Key to Queueing Theory and its Applications** (in Hungarian)
University of Debrecen, Hungary (2000)
(in Hungarian, on-line, distance learning electronic version)
University of Debrecen, Hungary (2001)
[e-Notes](#)

9. **Foundation of Information Science: A collection of exercises with solutions in probability theory** (in Hungarian)
University of Debrecen, Hungary (2000, 2002)
Co-authors : K. Szirmai, B. Kiss
[Lecture Notes](#)

10. **Practical Queueing Theory in Java** (in Hungarian, on-line, distance learning electronic version)
University of Debrecen, Hungary (2004)
[e-Notes](#)

11. **Mathematical Modelling of Inventory and Queueing Problems** (in Hungarian)
University of Debrecen, Hungary (2005)
[Lecture Notes](#)

12. **Mathematical Modelling of Inventory and Queueing Problems by Java** (in Hungarian)
University of Debrecen, Hungary (2005)
[Lecture Notes](#)

13. **Performance Evaluation of Computer Systems** (in Hungarian, on-line, distance learning electronic version)

University of Debrecen, Hungary (2005)
e-Notes
14. **Performance Evaluation of Informatics Systems** (in Hungarian)
Liceum Press, Eszterházy Károly College, Eger, Hungary (2007)
15. **Modeling and Analysis of Information Technology Systems** (in Hungarian and English, on-line, distance learning electronic version)
University of Debrecen, Hungary (2011, 2012)
Lecture Notes
16. **Basic Queueing Theory** (in Hungarian and English, on-line, distance learning electronic version)
University of Debrecen, Hungary (2011, 2012)
Lecture Notes

Szemináriumok / 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)

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3. **Approximate analysis of a heterogeneous multiprocessor system operating in a random environment**
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 operating in a random environment**
London, Lancaster, Oxford (1991)

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

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

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

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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 Istitute of Science and Technology, Japan (1997)

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

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

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

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

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15. **Finite-source retrial queues with server subject to breakdowns and repairs**
    Eindhoven, Tilburg, Amsterdam, The Netherlands (2003)

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16. **Finite-source retrial queues and their applications**
    Helsinki, Jyvaskyla, Linz (2004)

17. **Finite-source retrial queues for performance modelling of telecommunication systems**
Sangji University, Seoul National University, Kookmin University, Pohang University of Science and Technology, Korea (2005)
18. **Finite-source retrial queueing systems with heterogeneous unreliable servers and different service policies**
Helsinki, Jyvaskyla (2005)
19. **Recent results on finite-source retrial queueing systems**
Linz, Graz, Vienna (2005)

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

21. **On finite-source retrial queueing systems with different servers**
Salzburg, Graz, Vienna (2007)
22. **Recent results on finite-source retrial queueing systems with different servers**
KTH, Royal Institute of Technology, Stockholm (2007)

23. **Recent results on finite-source retrial queueing systems with applications**
German Federal University of Armed Forces, Neubiberg-Munnich (2008)

24. **Recent results on finite-source retrial queueing systems with applications**
Dongseo University, Busan, Korea (2009)
25. **Tool supported performance modelling of finite-source retrial queueing systems**
German Federal University of Armed Forces, Neubiberg-Munnich (2009)

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

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

28. **Future Internet research in Hungary**
    KTH, Royal Institute of Technology, Stockholm, Sweden (2012)
29. **Tool supported analysis of retrial queueing systems**
    Institute of Mathematics and Information Technologies of the National Academy of Sciences of Uzbekistan, Tashkent, Uzbekistan (2012)
30. **The effect of the Bologna-process on the Hungarian higher education system**
    Tashkent Institute of Architecture and Construction, Tashkent, Uzbekistan (2012)

31. **Introduction of the FIRST Project (Future Internet Research, Services and Technology)**
    Johannes Kepler University, Linz, Austria (2013)
32. **Introduction of the FIRST Project (Future Internet Research, Services and Technology)**
    Compiegne University of Technology, Compiegne, France (2013)
33. **Introduction of the FIRST Project (Future Internet Research, Services and Technology)**
    Georgian Technical University, Tbilisi, Georgia (2013)
34. **Introduction of the FIRST Project (Future Internet Research, Services and Technology)**
    Aalto University, Helsinki, Finland (2013)
35. **Introduction of the FIRST Project (Future Internet Research, Services and Technology)**
    Univesity of Jyvaskyla, Jyvaskyla, Finland (2013)

36. **Tool supported analysis of cognitive info-communication systems**
    Johannes Kepler University, Linz, Austria (2014)
37. **A queueing model to study the effect of service network breakdown in a CogInfoCom system**
    Institute of Cybernetics, Qafqaz University, Baku, Azerbaijan (2014)
38. **Introduction of the FIRST Project (Future Internet Research, Services and Technology)**
    Kyrgyz State Technical University, Bishkek, Kyrgyzstan (2014)

39. **Introduction of the FIRST Project (Future Internet Research, Services and Technology)**
Beijing Jiaotong Univesity, Beijing, China (2014)

40. **Introduction to Queueing Theory and its Applications**
Qilu University of Technology, Jinan, China (2014)

41. **Recent results in modelling complex infocommunication systems**
Johannes Kepler University, Linz, Austria (2014)

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42. **Introduction of the FIRST Project (Future Internet Research, Services and Technology)**
Vilnius University, Vilnius, Lithuania (2015)

43. **Introduction to Queueing Theory and its Applications**
Zanjan University, Zanjan, Iran (2015)

44. **Tool supported analysis of queueing systems**
Hue University, Hue, Vietnam (2015)

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45. **Introduction to Queueing Theory and its Applications**
Shanghai Jiaotong University, Shanghai, China (2016)

46. **Introduction to Queueing Theory and its Applications**
Nanjing University, Nanjing, China (2016)

47. **Queueing Theory and its Applications, a Personal View**
International Information Technology University, Almaty, Kazakhstan (2016)

48. **Introduction to Queueing Theory and its Applications, a Personal View**
University of Maribor, Maribor, Slovenia (2016)

49. **Performance Modeling of Finite-Source Cognitive Radio Networks**
Georgian Technical University, Tbilisi, Georgia (2016)

Disszertációk / Theses

1. **On the machine interference problem** (in Hungarian)
University Doctor Thesis
University of Debrecen, Debrecen, Hungary (1981) [pdf 26 000 Kb](#)

2. **Investigation of finite-source queueing systems** (in Russian)
Candidate of Sciences, PhD Thesis
Kiev State University, Kiev, USSR (1989) [pdf 46 550 Kb](#)

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

4. **Finite-source queueing systems and their applications** (in Hungarian)
   Doctor of Science Thesis
   Hungarian Academy of Sciences, Budapest, Hungary (2002) [pdf 261 Kb](#)