

PUBLICATIONS

Books

Listed in a separate web page.

Edited conference proceedings

1. *Proc. First International Workshop on Queueing Networks with Blocking*, (North Holland, 1989) H.G. Perros and T. Altiok, Eds.
2. *High speed communication networks*. Proceedings of TriCom '92. (Plenum, 1992). H.G. Perros, Ed.
3. *Modelling and Performance Evaluation of ATM Technology* Proceedings of a workshop organized in Martinique (North Holland, 1993). G. Pujolle, H.G. Perros, Y. Takahashi, Eds.
4. *ATM networks and their performance*, Proceedings of an International Conference sponsored by IFIP WG 6.3, organized in Raleigh. (North Holland, 1994). H.G. Perros and Y. Viniotis, Eds.
5. *Networking 2000*, Proceeding of Networking 2000 conference, organized in Paris, France, May 14-19, 2000. (Springer-Verlag, 2000). Pujolle, Perros, Fdida, Korner, and Stavrakakis (Eds.)

Special journal issues

1. *Performance Evaluation J.*, 10 (1989), Special issue on: Queueing Networks with Finite Capacity Queues. Guest Editors: I. Akyildiz and H.G. Perros.
2. *Annals of Operations Research*, vol 49, 1994, Special issue on: Methodologies for High Speed networks, Guest Editors: R. Onvural, H.G. Perros, and G. Pujolle.
3. *Performance Evaluation J.*, 1995, Special issue on: ATM networks and their performance. Guest Editors: Y. Viniotis and H.G. Perros.
4. *Computer Network Journal*, Special issue on: Optical Networks. Guest Editor: Harry Perros, Vol 50, issue 2, Feb. 2006.
5. *Telecommunication Systems Journal*, 2005/6, Special issue on: Next Generation Networks - Architectures, Protocols, Performance. Guest Editors: Harry Perros and Guy Pujolle, Vol. 31, No 2/3 (March 2006).

6. *Telecommunication Systems Journal*, Special issue on: Next Generation Networks – QoS and Security. Guest Editors: Guy Pujolle and H. Perros, Vol 39 (2008).
7. *IET Communications*, Special issue on: Optical Burst and Packet Switching. Guest Editors: John Murphy and Harry Perros. Volume 3, Issue 3 , p. 331-499, 2009.
8. *Annals of Telecommunications* (2018), Special Issue on “Cloud Communication and Networking” Guest Editors: Perros, Papapanagiotou, Pujolle. – to appear.

Refereed Book Chapters

1. “Approximation Algorithms for the Analysis of Open Queueing Networks with Blocking”, H. Perros, Chapter in: *Stochastic Analysis of Computer and Communications Systems*, Takagi (Ed.), (North Holland, 1990), 451-498.
2. "Implications of middleware and application level communications issues on the performance of network-based problem-solving environments" R. Balay, M. Vouk and H. Perros, *PSE Book*, IEEE.
3. "Traffic management: A review of call admission control schemes for ATM networks", K. Elsayed and H. Perros, *The Froelich/Kent Encyclopedia of Telecommunications.*, Vol 17. pp75-90, Marcel Dekker.
4. “A tutorial on optical networks”, G. Rouskas and Harry Perros, *Advance Lectures on Networking: Networking 2002 Tutorials*, Gregori et al (Eds.), Springer LNCS 2497, pp155-193, 2002.
5. “Burst loss probabilities in an OBS network with dynamic simultaneous link possession”, Lina Battistelli and Harry Perros in: *Computer System Performance Modeling in Perspective: A Tribute to the Work of Prof Kenneth C Sevcik*, edited by Erol Gelenbe, World Scientific 2006.
6. “The nonstationary queue: A survey” K. Alnowibet and H. Perros, *Communications and Computer Systems: A Tribute to Professor Erol Gelenbe*, Ed: J. Barria, World Scientific, 2006.
7. “Grid networks and layer 1 services”, Gigi Karmous-Edwards, Joe Mambretti, Dimitra Simeonidou, Admela Jukan, Tzvetelina Battestilli, Harry Perros, Yufeng Xin, and John Strand., in: *Grid Networks: Enabling grids with advanced telecommunications technology*, Editors: Travostino, Mambretti, and Karmous-Edwards, Wiley, Sept. 2006.
8. “Security-aware Resource Optimization in Distributed Service Computing”, K. Xiong, H. Perros, in: Lee (Ed): *Handbook of Research on Telecommunications Planning and Management for Business*, Information Science Reference, 2009, pp 927-940.

9. "QoS Architectures for the IP Network", H. Perros, Encyclopedia of Information Science and Technology, IGI.

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1. "Modelling a disc I/O system: A queue network approach", H. Perros, *European J. Opl. Res.*, 1 (1977), 139-145.
2. "On the blocking process in queue networks", F. G. Foster and H. Perros, *European J. Oper. Res.*, 5 (1980), 276-283.
3. "Hierarchical queue networks with partially shared servicing", F. G. Foster and H. Perros, *J. Operational Research Society*, 30 (1979), 157-166.
4. "A regression model for predicting the mean file access time of a disk I/O system", H. Perros, *The Computer Journal*, 23 (1980), 34-36.
5. "A two-level open queue network with feedback and blocking", H. Perros, *R.A.I.R.O.-Recherche Operationnelle*, 15, 1981, pp. 27-38.
6. "A Symmetrical exponential open queue network with blocking and feedback", H. Perros, *IEEE Trans. on Software Engineering*, Vol. SE-7, July 1981, pp. 395-402.
7. "A standardized frozen-meals service for Irish schools", J. MacAirt and H. Perros, *European J. Oper. Res.*, 9, 1982, pp. 248-256.
8. "The HDLC/VS protocol for satellite communications", H. Perros, *Computer Communications*, 5, 1982, pp. 73-78.
9. "On the $M/C_k/1$ queue", H. Perros, *Performance Evaluation*, Vol.3,1983, 83-93.
10. "A model for predicting the response time of an on-line system for electronic fund transfer", H. Perros, *Journal of Telecommunications Networks*, Vol. 4, 1986, 73-83.
11. "Approximate analysis of open networks of queues with blocking: Tandem configurations", T. Altiok, and H. Perros, *IEEE Trans. on Software Engineering*, Vol. SE-12, 1986, pp. 450-461
12. "Open networks of queues with blocking: Split and merge configurations", T. Altiok, and H. Perros, *IIE Trans* (1986) 251-261.
13. "A queueing system where customers require a random number of servers simultaneously", G. Y. Fletcher, H. Perros and W. J. Stewart, *European J. Oper. Res.*, 23, 1986, pp. 331-342.

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15. "Approximate analysis of arbitrary exponential queueing networks with blocking", H. Perros and T. Altiok, *Annals of Oper. Res.* (1987) 421-509.
16. "An analytic model of a file server for bulk file transfers", H. Perros and D. Mirchandani, *Computer Systems Science and Engineering J.*, Vol. 1, 1986, pp. 144-150.
17. "On equivalencies of blocking mechanisms in queueing networks with blocking", R. Onvural and H. Perros, *Operations Research Letters*, (1986) 293-297.
18. "Approximate analysis of product-form queueing networks with blocking and deadlock", H. Perros, Y. C. Liu and A. Nilsson, *Performance Evaluation J.*, 8 (1987) 19-39.
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21. "Some equivalencies between closed queueing networks with blocking", R. Onvural and H. Perros, *Performance Evaluation J.*, 9 (1988/89) 111-118.
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29. "Nested sliding window protocols with packet fragmentation", G. Shapiro and H. Perros, *IEEE Trans. Comm.*, Jan. 1993.
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31. "Multichannel resource sharing systems", G. Pujolle and H. Perros, *Archiwum Informatyki, Teoretycznej I Stosowanej*, 2 (1990) 79-90.
32. "Performance analysis of a multi-buffered Banyan ATM switch under bursty traffic", T. Morris and H. Perros, *IEEE Trans. Comm.* 42 (1994) 891-895.
33. "A queueing model of a bufferless synchronous Clos ATM switch with head-of-line priority and push-out", A. Nilsson, H. Perros and F. Lai., *J. High Speed Networks* 1 (1992) 255-279.
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41. "Call admission control schemes: A review", K. Elsayed and H. Perros, *IEEE Magazine on Communications*, special issue on Congestion Control, Nov. 1996, 82-91.

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