Offer Kella, *Professor*

Faculty of Sciences and Faculty of Industrial Engineering and Technology Management
Holon Institute of Technology
and
Vigevani Professor Emeritus of Statistics
Department of Statistics and Data Science
The Hebrew University of Jerusalem

Personal

Born: 1958, Haifa, Israel.

Education

1987 – Ph.D. Operation Research, Stanford University, California, USA.
1984 – M.Sc. (cum-laude) Operation Research, Tel Aviv University, Israel.
1983 – B.Sc. (cum-laude) Mathematics, Tel Aviv University, Israel.

Major academic appointments

Holon Institute of Technology, Faculty of Sciences and Faculty of Industrial Engineering and Technology Management
2026 - now Professor
The Hebrew University of Jerusalem, Department of Statistics and Data Science
2026 - now Vigevani Professor Emeritus of Statistics.
2007 - 2026 Vigevani Professor of Statistics.
1996 - 2007 Professor.
1992 – 1996 Associate Professor (tenure: 1993).
Yale University, School of Management, Department of Operations Research and Department of Statistics
1991 – 1995 Associate Professor.
1987 – 1991 Assistant Professor.

Administrative duties

2001 – 2005 Department chair, Department of Statistics, The Hebrew University of Jerusalem.
1998 – 2001 Vice dean for research and infrastructure, Faculty of Social Sciences, The Hebrew University of Jerusalem.

Editorial boards

2024 – now Applied Probability Trust.
2021 – now Stochastic Models.
1994 – now Queueing Systems.
2014 – 2024 Statistics and Probability Letters.
1999 – 2017 Operations Research Letters.
2004 – 2013 Mathematics of Operations Research.
1995 – 2005 Operations Research.

Miscellaneous

2007 – now Vigevani Chair in Statistics, The Hebrew University of Jerusalem, Israel.
2005 Stieltjes Visiting Professor, The Thomas Stieltjes Institute for Mathematics, The Netherlands.
1992 – 1995 Alon Fellowship for excelling young scientists, The Council for Higher Education, Israel.

Research interests

Applied probability, operations research, queueing theory, stochastic storage processes.

Professional affiliations

Institute for Operations Research and Management Science (INFORMS); Applied Probability Society of INFORMS (APS); Institute of Mathematical Statistics (IMS); Operations Research Society of Israel (ORSIS).

Research grants

US–Israel Binational Science Foundation, grant No. 92-00035, 1993–1997, joint with Ward Whitt (AT&T, USA), *Stochastic Fluid Networks*, total support $42,500.

Israel Science Foundation, grant No. 372/93, 1993–1996, joint with David Assaf (Hebrew University), *Optimal Control of Stochastic and Deterministic Fluid Networks*, total support $60,000.

Denmark/Israel Research Award, 1994–1995, joint with Soren Asmussen (then University of Aalborg, Denmark) and David Perry (University of Haifa); travel support between Denmark and Israel.

Israel Science Foundation, grant No. 794/97, 1997–2000, single investigator, *Stochastic Storage Networks*, total support $66,800.

Volkswagen Foundation (via the Ministry of Science and Culture of the State of Niedersachsen), 2000–2002, joint with Wolfgang Stadje (University of Osnabrueck, Germany), *Stochastic Storage Systems in a Random Environment*, total support DM87,000.

Israel Science Foundation, grant No. 935/0, 2000–2003, single investigator, *Stochastic Storage Models and Networks, Markov Modulation and Martingale Methods*, total support $65,140.

INTAS (funded by the European Community), project 265, 2001–2003, multi-country project; Israeli team: Adam Shwartz (Technion) and Offer Kella, *Mathematics of Stochastic Networks*, total support EU90,000.

Israel Science Foundation, grant No. 819/03, 2003–2006, single investigator, *Stochastic Storage Models and Networks in a Random Environment*, total support $87,270.

Volkswagen Foundation (via the Ministry of Science and Culture of the State of Niedersachsen), 2004–2006, joint with Wolfgang Stadje, *Reflected Networks, Stability and Martingale Analysis*, total support EU88,000.

Israel Science Foundation, grant No. 964/06, 2006–2009, single investigator, *Storage Models and Networks with Stochastic Reflecting Constraints*, total support $84,000.

Israel Science Foundation, grant No. 434/09, 2009–2012, single investigator, *Stochastic storage models and networks with an emphasis on Markov modulation, stochastic constraints and applications to growth collapse models*, total support $60,000.

Israel Science Foundation, grant No. 1462/13, 2013–2017, single investigator, *Tools and models for stochastic storage models and networks*, total support $120,000.

Israel Science Foundation, grant No. 1647/17, 2017–2021, single investigator, *Stochastic Storage Systems: Theory and Applications*, total support $140,000.

Israel Science Foundation, grant No. 3336/24, 2024–2027, joint with David Perry (HIT), *Stochastic storage models for cash management, organ transplants and perishable inventories*, total support $160,000.

Publications

[1] Onno Boxma and Offer Kella. "G/M/1+D perishable inventory systems". (Submitted).

[2] Onno Boxma, Offer Kella and David Perry. "Perishable inventory systems with patience and batch demands: an M/G/∞ approach". In: *Probability in the Engineering and Informational Sciences* (Forthcoming).

[3] Offer Kella, Andreas Löpker, and Christian H. Weiß. "Geometric autoregressive models revisited". In: *Journal of Applied Probability* (Forthcoming).

[4] Onno Boxma, Offer Kella, and Michel Mandjes. "Finite-customer queues in series". In: *Stochastic Models* (Forthcoming).

[5] Hansjörg Albrecher, Onno Boxma, Offer Kella, and Michel Mandjes. "A storage process with alternating Lévy input". In: *Stochastic Systems Online* (2026). URL: https://doi.org/10.1287/stsy.2025.0134.

[6] Onno Boxma, Offer Kella, David Perry, and Wolfgang Stadje. "M/G/1+D perishable inventory systems". In: *Queueing Systems* 110 (2026). URL: https://link.springer.com/article/10.1007/s11134-026-09993-2?utm_source=rct_congratemailt&utm_medium=email&utm_campaign=oa_20260524&utm_content=10.1007/s11134-026-09993-2.

[7] Onno Boxma, Offer Kella, and David Perry. "On reflected Lévy processes with collapse". In: *Journal of Applied Probability* 63 (2026), pp. 1168-1185. URL: https://doi.org/10.1017/jpr.2026.10073.

[8] Onno Boxma, Offer Kella, and Jacques Resing. "ASIP tandem queues with Lévy input and consumption". In: *Performance Evaluation* 170 (2025), Article 102153. URL: https://www.sciencedirect.com/science/article/pii/S0166531625000471?dgcid=author.

[9] Onno Boxma, Offer Kella, and Michel Mandjes. "Finite customer-pool queues". In: *Operations Research Letters* 60 (2025), article 107267. URL: https://www.sciencedirect.com/science/article/pii/S0167637725000288?dgcid=author.

[10] Offer Kella and Michel Mandjes. "On the area between a Lévy process with secondary jump inputs and its reflected version". In: *Stochastic Models* 41 (2025), pp. 337-355. URL: https://www.tandfonline.com/doi/epub/10.1080/15326349.2024.2393573.

[11] Offer Kella. "On independence of time and cause". In: *Statistics and Probability Letters* 204 (2024), article 109944. URL: https://www.sciencedirect.com/science/article/pii/S0167715223001682.

[12] Onno Boxma, Offer Kella, and Michel Mandjes. "On fluctuation-theoretic decompositions via Lindley-type recursions". In: *Stochastic Processes and their Applications* 165 (Nov 2023), pp. 316-336. URL: https://www.sciencedirect.com/science/article/pii/S0304414923001813.

[13] Offer Kella and Andreas Löpker. "On binomial thinning and mixing". In: *Indagationes Mathematicae (special issue in honor of J. W. Cohen)* 34 (2023), pp. 1121-1145. URL: https://www.sciencedirect.com/science/article/pii/S0019357722000726?via%3Dihub.

[14] Offer Kella and Michel Mandjes. "From reflected Lévy processes to stochastically monotone Markov processes via generalized inverses and supermodularity". In: *Journal of Applied Probability* 60 (March 2023), pp. 68-84. URL: https://www.doi.org/10.1017/jpr.2022.24.

[15] Stella Kapodistria, Mayank Saxena, Onno J. Boxma, and Offer Kella. "Workload analysis of a two-queue fluid polling model". In: *Journal of Applied Probability* 60 (2023), pp. 1003-1030. URL: https://www.cambridge.org/core/journals/journal-of-applied-probability/article/workload-analysis-of-a-twoqueue-fluid-polling-model/4B10FCBB38F16194FB36324D47C0A877.

[16] Offer Kella. "Martingales associated with functions of Markov and finite variation processes". In: *Queueing Systems: Theory and Applications* 100 (2022), pp. 205-207. URL: https://link.springer.com/article/10.1007/s11134-022-09749-8.

[17] Royi Jacobovic and Offer Kella. "A characterization of normality via convex likelihood ratios". In: *Statistics and Probability Letters* 186 (2022). URL: https://authors.elsevier.com/a/1eoPDc8a~EnEU.

[18] Royi Jacobovic and Offer Kella. "Steady-state optimization of an exhaustive Lévy storage process with intermittent output and random output rate". In: *Probability in the Engineering and Informational Sciences* 35 (2021), pp. 730-744. URL: https://www.cambridge.org/core/journals/probability-in-the-engineering-and-informational-sciences/article/steadystate-optimization-of-an-exhaustive-levy-storage-process-with-intermittent-output-and-random-output-rate/89F7CBD2FFAFA8DA4AE92D7CA62FA338.

[19] Onno Boxma, Offer Kella, and Uri Yechiali. "Workload distributions in ASIP queueing networks". In: *Queueing Systems: Theory and Applications* 97 (2021), pp. 81-100. URL: https://link.springer.com/article/10.1007%2Fs11134-020-09678-4.

[20] Royi Jacobovic and Offer Kella. "Minimizing a stochastic convex function subject to stochastic constraints and some applications". In: *Stochastic Processes and their Applications* 130 (2020), pp. 7004-7018. URL: https://authors.elsevier.com/a/1bs7j15DqVC695.

[21] Offer Kella and Onno Boxma. "Synchronized Lévy queues". In: *Journal of Applied Probability* 57 (2020), pp. 1222-1233. URL: https://doi.org/10.1017/jpr.2020.75.

[22] Royi Jacobovic and Offer Kella. "Asymptotic independence of regenerative processes with a special dependence structure". In: *Queueing Systems: Theory and Applications* 93 (2019), pp. 139-152. URL: http://link.springer.com/article/10.1007/s11134-019-09606-1.

[23] Onno Boxma, Offer Kella, and Michel Mandjes. "Infinite-server systems with Coxian arrivals". In: *Queueing Systems: Theory and Applications* 92 (2019), pp. 233-255. URL: https://link.springer.com/article/10.1007%2Fs11134-019-09613-2.

[24] Onno J. Boxma, Offer Kella, and Liron Ravner. "Fluid queues with synchronized output". In: *Operations Research Letters* 47 (2019), pp. 629-635. URL: https://authors.elsevier.com/c/1a0G1c7SojS5a.

[25] Ivo Adan, Onno Boxma, Dieter Claeys, and Offer Kella. "A queueing system with vacations after a random amount of work". In: *SIAM Journal on Applied Mathematics* 78 (2018), pp. 1697-1711. URL: https://epubs.siam.org/doi/pdf/10.1137/17M1142673.

[26] Offer Kella and Liron Ravner. "Lowest priority waiting time distribution in an accumulating priority Lévy queue". In: *Operations Research Letters* 45 (2017), pp. 40-45. URL: http://ac.els-cdn.com/S0167637716302218/1-s2.0-S0167637716302218-main.pdf?_tid=27a762f8-1ab4-11e7-8a54-00000aab0f02&acdnat=1491474852_49fbacd95b269c87ed92d0b84df5a993.

[27] Marko A. A. Boon, Onno J. Boxma, Offer Kella, and Masakiyo Miyazawa. "Queue-length balance equations in multiclass multiserver queues and their generalizations". In: *Queueing Systems: Theory and Applications* 86 (2017), pp. 277-299. URL: http://rdcu.be/uNeo.

[28] O. Kella and M. Yor. "Unifying the Dynkin and Lebesgue-Stieltjes formulae". In: *Journal of Applied Probability* 54 (2017), pp. 252-266. URL: https://www.cambridge.org/core/services/aop-cambridge-core/content/view/137D06E4E013E2AF7422A8544CB916B5/S0021900216000098Xa.pdf/unifying_the_dynkin_and_lebesguestieltjes_formulae.pdf.

[29] Onno Boxma, Offer Kella, and Uri Yechiali. "An ASIP model with general gate opening intervals". In: *Queueing Systems: Theory and Applications* 84 (2016), pp. 1-20. URL: http://download.springer.com/static/pdf/199/art%253A10.1007%252Fs11134-016-9492-z.pdf?originUrl=http%3A%2F%2Flink.springer.com%2Farticle%2F10.1007%2Fs11134-016-9492-z&token2=exp=1491476054~acl=%2Fstatic%2Fpdf%2F199%2Fart%25253A10.1007%25252Fs11134-016-94.

[30] P. Buckingham, B. Fralix, and O. Kella. "A note on integral representations of the Skorokhod map". In: *Journal of Applied Probability* 53 (2016), pp. 293-298.

[31] O. Kella and W. Stadje. "A clearing system with impatient passengers: asymptotics and estimation in a bus stop model". In: *Queueing Systems: Theory and Applications* 80 (2015), pp. 1-14.

[32] O. Boxma, D. Claeys, G. Gulikers, and O. Kella. "A queueing system with vacations after N services". In: *Naval Research Logistics* 62 (2015), pp. 646-658.

[33] O. Boxma and O. Kella. "Decomposition results for stochastic storage processes and queues with alternating Lévy inputs". In: *Queueing Systems: Theory and Applications* 77 (2014), pp. 97-112.

[34] J. G. Blom, O. Kella, M. R. H. Mandjes, and H. Thorsdottir. "Markov-modulated infinite-server queues with general service times". In: *Queueing Systems: Theory and Applications* 76 (2014), pp. 403-424.

[35] J. Blom, K. De Turck, O. Kella, and M. Mandjes. "Tail asymptotic of a Markov-modulated infinite-server queue". In: *Queueing Systems: Theory and Applications* 78 (2014), pp. 337-357.

[36] O. Kella and M. Mandjes. "Transient analysis of reflected Lévy processes". In: *Statistics and Probability Letters* 83 (2014), pp. 2308-2315.

[37] J. Ivanovs and O. Kella. "Another look into decomposition results". In: *Queueing Systems: Theory and Applications* 75 (2013), pp. 19-28.

[38] O. Kella and W. Stadje. "Asymptotic expected number of passages of a random walk through an interval". In: *Journal of Applied Probability* 50 (2013), pp. 288-294.

[39] S.K. Bar-Lev, O. Kella, and A. Löpker. "Small parameter behavior of families of distributions". In: *Statistics and Probability Letters* 83 (2013), pp. 783-789.

[40] O. Kella and O. Boxma. "Useful martingales for stochastic storage processes with Lévy-type input". In: *Journal of Applied Probability* 50 (2013), pp. 439-449.

[41] O. Kella and A. Löpker. "Weak convergence of subordinators to extremal processes". In: *Stochastic Processes and their Applications* 123 (2013), pp. 3122-3131.

[42] O. Kella. "The class of distributions associated with the generalized Pollaczek-Khinchine formula". In: *Journal of Applied Probability* 49 (2012), pp. 883-887.

[43] O. Kella and A. Löpker. "A generalized memoryless property". In: *Probability in the Engineering and Informational Sciences* 26 (2012), pp. 425-436.

[44] B. D'Auria and O. Kella. "Markov-modulation of a two sided reflected Brownian motion with applications to fluid queues". In: *Stochastic Processes and Their Applications* 122 (2012), pp. 1566-1581.

[45] B. D'Auria, J. Ivanovs, O. Kella, and M. Mandjes. "Two-sided reflection of Markov-modulated Brownian motion". In: *Stochastic Models* 28 (2012), pp. 316-332.

[46] O. Kella and S. Ramasubramanian. "Asymptotic irrelevance of initial conditions for Skorohod reflection mapping on the nonnegative orthant". In: *Mathematics of Operations Research* 37 (2012), pp. 301-312.

[47] O. J. Boxma, O. Kella, and K. Kosiński. "Queue lengths and workloads in polling systems". In: *Operations Research Letters* 39 (2011), pp. 401-405.

[48] O. Boxma, O. Kella, and D. Perry. "On some tractable growth collapse processes with renewal collapse epochs". In: *Journal of Applied Probability* 48A (2011), pp. 401-405. Special issue in honor of Søren Asmussen: New Frontiers in Applied Probability, P. Glynn, T. Mikosch and T. Rolski editors.

[49] O. Kella and A. Löpker. "A Markov modulated growth collapse model". In: *Probability in the Engineering and Informational Sciences* 24 (2010), pp. 99-107.

[50] O. Kella and M. Yor. "A new formula for some linear stochastic equations with applications". In: *The Annals of Applied Probability* 20 (2010), pp. 367-381.

[51] M. Haviv, O. Kella, and Y. Kerner. "Equilibrium strategies in queues based on time or index of arrival". In: *Probability in the Engineering and Informational Sciences* 24 (2010), pp. 13-25.

[52] B. D'Auria, J. Ivanovs, O. Kella, and M. Mandjes. "First passage of a Markov additive process and generalized Jordan chains". In: *Journal of Applied Probability* 47 (2010), pp. 1048-1057.

[53] O. Boxma, O. Kella, and M. Mandjes. "On a generic class of Lévy-driven vacation models". In: *Probability in the Engineering and Informational Sciences* 24 (2010), pp. 1-12.

[54] O. Kella, O. Boxma, and M. Mandjes. "On Lévy-driven vacation models with correlated busy periods and service interruptions". In: *Journal of Applied Probability* 64 (2010), pp. 359-382.

[55] O. Kella. "On growth collapse processes with stationary structure and their shot-noise counterparts". In: *Journal of Applied Probability* 46 (2009), pp. 263-371.

[56] O. Kella and W. Stadje. "A collector's problem with renewal arrival times". In: *Journal of Applied Probability* 45 (2008), pp. 610-620.

[57] O. Boxma, M. Mandjes, and O. O. Kella. "On a queueing model with service interruptions". In: *Probability in the Engineering and Informational Sciences* 22 (2008), pp. 537-555.

[58] R. Bekker, O. Boxma, and O. O. Kella. "Queues with delays in two-state strategies and Lévy input". In: *Journal of Applied Probability* 45 (2008), pp. 314-332.

[59] O. Kella. "Lévy processes". In: *Encyclopedia of Statistics in Quality and Reliability* (2007). Edited by F. Ruggeri, R.S. Kenett, and F. W. Faltin. Wiley, pp. 941-947.

[60] O. Kella, O. Boxma, and M. Mandjes. "A Lévy precess reflected at a Poisson age process". In: *Journal of Applied Probability* 43 (2006), pp. 221-230.

[61] O. Kella. "Reflecting thoughts". In: *Statistics and Probability Letters* 76 (2006), pp. 1808-1811.

[62] O. Kella and W. Stadje. "Superposition of renewal processes and an application to multi-server queues". In: *Statistics and Probability Letters* 76 (2006), pp. 1914-1924.

[63] O. Boxma, H. Kaspi, O. Kella, and D. Perry. "On/off storage systems with state dependent input, output and switching rates". In: *Probability in the Engineering and Informational Sciences* 19 (2005), pp. 1-14.

[64] O. Kella, B. Zwart, and O. Boxma. "Some time-dependent properties of symmetric M/G/1 queues". In: *Journal of Applied Probability* 42 (2005), pp. 1-12.

[65] W. Stadje and O. Kella. "A Brownian motion with two reflecting barriers and Markov modulated speed". In: *Journal of Applied Probability* 41 (2004), pp. 1237-1243.

[66] R. Bekker, S. C. Borst, O. J. Boxma, and O. Kella. "Queues with workload dependent arrival and service rates". In: *Queueing Systems: Theory and Applications* 46 (2004), pp. 537-556.

[67] O. Kella, D. Perry, and W. Stadje. "A stochastic clearing model with a Brownian and a compound Poisson component". In: *Probability in the Engineering and Informational Sciences* 17 (2003), pp. 1-22.

[68] O. Kella and W. Stadje. "Ergodic path properties of processes with stationary increments". In: *Journal of the Australian Mathematical Society* 72 (2002), pp. 199-208.

[69] O. Kella and W. Stadje. "Exact results for a fluid model with state-dependent flow rates". In: *Probability in the Engineering and Informational Sciences* 16 (2002), pp. 389-402.

[70] O. Kella and W. Stadje. "Markov modulated linear fluid networks with Markov additive input". In: *Journal of Applied Probability* 39 (2002), pp. 413-420.

[71] E. Feinberg and O. Kella. "Optimality of D-policies for an M/G/1 queue with a removable server". In: *Queueing Systems: Theory and Applications* 42 (2002), pp. 355-376.

[72] O. Boxma, O. Kella, and D. Perry. "An intermittent fluid system with exponential on times and semi-Markov input rates". In: *Probability in the Engineering and Informational Sciences* 15 (2001), pp. 189-198.

[73] O. Kella. "Markov-modulated feedforward fluid networks". In: *Queueing Systems: Theory and Applications* 37 (2001), pp. 141-161.

[74] S. Asmussen and O. Kella. "On optional stopping of some exponential martingales for Lévy processes with or without reflection". In: *Stochastic Processes and Their Applications* 91 (2001), pp. 47-55.

[75] M. Miyazawa and O. Kella. "Parallel fluid queues with constant inflows and simultaneous random reductions". In: *Journal of Applied Probability* 38 (2001), pp. 609-620.

[76] O. Kella and W. Stadje. "On hitting times for compound Poisson dams with exponential jumps and linear release". In: *Journal of Applied Probability* 38 (2001), pp. 781-786.

[77] S. Asmussen and O. Kella. "A multi-dimensional martingale for Markov additive processes and its applications". In: *Advances in Applied Probability* 32 (2000), pp. 376-393.

[78] O. Kella. "Non-product form of two-dimensional fluid networks with dependent Lévy inputs". In: *Journal of Applied Probability* 37 (2000), pp. 1117-1122.

[79] O. Kella and W. Whitt. "Linear stochastic fluid networks". In: *Journal of Applied Probability* 36 (1999), pp. 244-260.

[80] I. Finkelshtain, O. Kella, and M. Scarsini. "On risk aversion with two risks". In: *Journal of Mathematical Economics* 31 (1999), pp. 239-250.

[81] O. Kella. "An exhaustive Lévy storage process with intermittent output". In: *Stochastic Models* 14 (1998), pp. 979-992.

[82] H. Kaspi, O. Kella, and D. Perry. "Dam processes with state dependent batch sizes and intermittent production processes with state dependent rates". In: *Queueing Systems: Theory and Applications* 24 (1997), pp. 37-57.

[83] H. Chen, O. Kella, and G. Weiss. "Fluid approximations for a processor sharing queue". In: *Queueing Systems: Theory and Applications* 27 (1997), pp. 99-125.

[84] E. V. Denardo, E. Feinberg, and O. Kella. "Stochastic monotonicity for stationary recurrence times of first passage heights". In: *The Annals of Applied Probability* 7 (1997), pp. 326-339.

[85] O. Kella. "Stochastic storage networks: stationarity and the feedforward case". In: *Journal of Applied Probability* 34 (1997), pp. 498-507.

[86] A. Jayawardene and O. Kella. "M/G/∞ with alternating renewal breakdowns". In: *Queueing Systems: Theory and Applications* 22 (1996), pp. 79-96.

[87] S. Asmussen and O. Kella. "Rate modulation in dams and ruin problems". In: *Journal of Applied Probability* 33 (1996), pp. 523-535.

[88] O. Kella. "Stability and non-product form of stochastic fluid networks with Lévy inputs". In: *The Annals of Applied Probability* 6 (1996), pp. 186-199.

[89] O. Kella and W. Whitt. "Stability and structural properties of stochastic fluid networks". In: *Journal of Applied Probability* 33 (1996), pp. 1169-1180.

[90] H. Kaspi and O. Kella. "Stability of feedforward fluid networks with Lévy inputs". In: *Journal of Applied Probability* 33 (1996), pp. 513-522.

[91] S. Browne and O. Kella. "Parallel service with vacations". In: *Operations Research* 44 (1995), pp. 870-878.

[92] O. Kella and M. Sverchkov. "On concavity of the mean function and stochastic ordering for reflected processes with stationary increments". In: *Journal of Applied Probability* 31 (1994), pp. 1140-1142.

[93] O. Kella and M. I. Taksar. "A heavy traffic limit for the cycle counting process in G/G/1, optional interruptions and elastic screen Brownian motion". In: *Mathematics of Operations Research* 19 (1994), pp. 132-151.

[94] O. Kella. "Parallel and tandem fluid networks with dependent Lévy inputs". In: *The Annals of Applied Probability* 3 (1993), pp. 682-695.

[95] O. Kella. "Star search - a different show". In: *Israel Journal of Mathematics* 67 (1993), pp. 145-159.

[96] O. Kella. "Concavity and reflected Lévy process". In: *Journal of Applied Probability* 29 (1992), pp. 209-215.

[97] O. Kella and W. Whitt. "A storage model with a two-state random environment". In: *Operations Research* 40 (1992), pp. 257-262.

[98] O. Kella and W. Whitt. "A tandem fluid network with Lévy input". In: *Queueing and Related Models* (1992). Edited by U. N. Bhat and I. V. Basawa. Oxford University Press, pp. 112-128.

[99] O. Kella and W. Whitt. "Useful martingales for stochastic storage processes with Lévy input". In: *Journal of Applied Probability* 29 (1992), pp. 396-403.

[100] O. Kella and W. Whitt. "Queues with server vacations and Lévy processes with secondary jump input". In: *The Annals of Applied Probability* 1 (1991), pp. 104-117.

[101] I. Finkelshtain and O. Kella. "Obtaining contingent bounds for noncontingent equivalent variations". In: *Economic Letters* 36 (1991), pp. 257-261.

[102] O. Kella. "Optimal manufacturing of a two product mix". In: *Operations Research* 39 (1991), pp. 496-501.

[103] O. Kella and W. Whitt. "Diffusion approximations for queues with server vacations". In: *Advances in Applied Probability* 22 (1990), pp. 706-729.

[104] O. Kella. "Optimal control of the vacation scheme in an M/G/1 queue". In: *Operations Research* 38 (1990), pp. 724-728.

[105] O. Kella. "The threshold policy in the M/G/1 queue with server vacations". In: *Naval Research Logistics* 36 (1989), pp. 111-123.

[106] O. Kella and U. Yechiali. "Priorities in the M/G/1 queue with server vacations". In: *Naval Research Logistics* 35 (1988), pp. 23-34.

[107] Y. Barniv and O. Kella. "Analysis of a dynamic programming solution to the detection of dim moving targets". In: *IEEE Transactions on Aerospace and Electronic Systems* 23 (1987), pp. 776-788.

[108] O. Kella. "On the distribution of the maximum of bivariate normal random variables with general means and variances". In: *Communications in Statistics - Theory and Methods* 15 (1986), pp. 3265-3276.

[109] O. Kella and U. Yechiali. "Waiting times in the nonpreemptive priority M/M/c queue". In: *Stochastic Models* 1 (1985), pp. 257-262.

Other Writings

1. Kella, O. (2026). In memorium of Professor Dr. Wolfgang Stadje. *Queueing Systems*, 110(37). Publisher's version.

2. Adan, I.J.B.F., D'Auria, B., and Kella, O. (2020). Editorial: Special volume on 'Recent Developments in Queueing Theory' of the third ECQT conference: part 2. *Queueing Systems*, 94(1–2), 1–2. Publisher's version.

3. Adan, I.J.B.F., D'Auria, B., and Kella, O. (2019). Editorial: Special volume on 'Recent Developments in Queueing Theory' of the third ECQT conference. *Queueing Systems*, 93(1–2), 1–2. Publisher's version.

4. Miyazawa, M. and Kella, O. (2001). Editorial Introduction. *Queueing Systems*, 37, 5–7. Publisher's version.