

Jadranka Skorin-Kapov, Ph.D., Professor

[College of Business, Stony Brook University](#)

SUNY Distinguished Teaching Professor of Management

Affiliated Professor, Department of Philosophy

Affiliated Professor, Department of Applied Mathematics and Statistics

Director [Center for Integration of Business Education & Humanities \(CIBEH\)](#)

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web page:

https://www.stonybrook.edu/commcms/business/about/_faculty/profile/jskorin#Biography

Amazon author page: [amazon.com/author/jadrankaskorinkapov](https://www.amazon.com/author/jadrankaskorinkapov)

SUMMARY

Jadranka Skorin-Kapov has a diverse educational background including business (operations research, combinatorial optimization, game theory), philosophy (continental philosophy, aesthetics, ethics), and art history and criticism (film). From 2015-2024 she served as the Head of Management Area at the College of Business, Stony Brook University. She is SUNY Distinguished Teaching Professor in the College of Business and has affiliated faculty positions in the Department of Philosophy and the Department of Applied Mathematics and Statistics. Skorin-Kapov founded the [Center for Integration of Business Education & Humanities \(CIBEH\)](#) in an effort to enhance business education with ideas framed by philosophy and art. She is the author or coauthor of over ninety scholarly publications and the recipient of a number of grants and awards, including five National Science Foundation grants. She has published scholarly books in continental philosophy, film art and criticism, and business education. Skorin-Kapov is a recipient of the [SUNY Chancellor's Award for Excellence in Scholarship and Creative Activities](#) in 2016 and [Ideas Worth Teaching Award](#) from the Aspen Institute Business and Society Program in 2017. In 2020 Skorin-Kapov was elected as the [corresponding member](#) of the [Croatian Academy of Sciences and Arts](#) in the Department of Social Sciences. In 2022 Skorin-Kapov was appointed as [SUNY Distinguished Teaching Professor](#).

EDUCATION

- 2014 Ph.D., Art History and Criticism**, Stony Brook University. Dissertation Title: “*On Darren Aronofsky’s Filmography from 1998 to 2014: Obsessions, Addictions, and the Pursuit of Perfection*”
- 2007 Ph.D., Philosophy**, Stony Brook University. Dissertation title: “*Beyond Anticipation: Exceeding of Expectation and Aesthetics*”
- 1987 Ph.D., Operations Research**, Faculty of Commerce and Business Administration, University of British Columbia, Canada. Dissertation title: “*Quadratic Programming: Quantitative Analysis and Polynomial Running Time Algorithms*”
- 2012 M.A., Art History and Criticism**, Stony Brook University. Thesis title: “*Piet Mondrian: The Promise of Universality and Harmony*”

- 2002 M.A., Philosophy**, Stony Brook University. Thesis title: “*A Symmetric Approach to Definite and Indefinite Descriptions*”
- 1983 M.Sc., Applied Mathematics**, University of Zagreb, Croatia. Thesis title: “*Quadratic Integer Programming*”
- 1977 B.Sc., Applied Mathematics**, University of Zagreb, Croatia

PROFESSIONAL EXPERIENCE

- 1998-present Professor, College of Business**, Stony Brook University
- 2015-present Professor** (Affiliated position), **Department of Philosophy**, College of Arts and Sciences, Stony Brook University
- 2015-present Professor** (Affiliated position), **Department of Applied Mathematics and Statistics**, College of Engineering and Applied Science, Stony Brook University
- 2015-present Director, Center for Integration of Business Education & Humanities**
- 1993-1998 Associate Professor**, Harriman School for Management and Policy, Stony Brook University
- 1988-1993 Assistant Professor**, Harriman School for Management and Policy, Stony Brook University
- 1987-1988 Visiting Assistant Professor**, Faculty of Commerce and Business Administration, University of British Columbia
- 1984-1987 Research and Teaching Assistant**, Faculty of Commerce and Business Administration, University of British Columbia
- 1978-1984 Application Engineer for Statistical and Mathematical Programming Applications**, University Computing Center, Zagreb, Croatia

AREAS OF RESEARCH INTEREST

Optimization: Development of heuristic algorithms and application of quantitative models to problems arising in social and natural environments

Philosophy: Continental philosophy, Aesthetics, Ethics, Phenomenology of surprise

Art History and Criticism: Film

BOOKS

- 2021** Jadranka Skorin-Kapov and Darko Skorin-Kapov, [*Balada o nenadležnosti*](#), Izvori-Sveučilišna knjižara (in Croatian, eng. transl. *A Ballad about nonjurisdiction*)

- 2019 Jadranka Skorin-Kapov, *[The Aesthetics of Desire and Surprise: Phenomenology and Speculation](#)*, **Lexington Books (Rowman & Littlefield)** (paperback edition)
- 2019 Jadranka Skorin-Kapov, *[Professional and Business Ethics trough Film: The Allure of Cinematic Presentation and Critical Thinking](#)*, **Palgrave Macmillan**
- 2017 Jadranka Skorin-Kapov, *[Darren Aronofsky's Films and the Fragility of Hope](#)*, **Bloomsbury Academic** (paperback edition)
- 2016 Jadranka Skorin-Kapov, *[The Intertwining of Aesthetics and Ethics: Exceeding of Expectations, Ecstasy, Sublimity](#)*, **Lexington Books (Rowman & Littlefield)**
- 2016 Jadranka Skorin-Kapov, *[Darren Aronofsky's Films and the Fragility of Hope](#)*, **Bloomsbury Academic**
- 2015 Jadranka Skorin-Kapov, *[The Aesthetics of Desire and Surprise: Phenomenology and Speculation](#)*, **Lexington Books (Rowman & Littlefield)**
- 1995 Jadranka Boljunčić (Skorin-Kapov), *[VAJK Z MANON](#)*, **Corners and Planes Press** (Collection of poetry written in Čakavski dialect of Croatian language)

JOURNAL AND BOOK CHAPTER PUBLICATIONS

- 2025 D. Conley and J. Skorin-Kapov, “Ethical Issues Related to Career Pressures and Identity Struggles”, **International Journal of Managerial Studies and Research**, Vol. 13, Issue 9, 1-8, September 2025, <https://doi.org/10.20431/2349-0349.1309001>
- 2025 J. Skorin-Kapov and D. Skorin-Kapov, “ Ethical Considerations in Business Decision-Making: Optimization, Multiple Criteria, and Fairness”, **International Journal of Business & Management Studies**, Volume 6; Issue 5, 1-10, May, 2025; <https://ijbms.net/assets/files/1747690340.pdf>
- 2024 G. Hamill and J. Skorin-Kapov, “Trends and Ethical Issues in Business Outsourcing”, **International Journal of Managerial Studies and Research**, Vol. 12, Issue 9, 34-41; <https://www.arcjournals.org/pdfs/ijmsr/v12-i9/4.pdf>
- 2023 A. Mueller and J. Skorin-Kapov, “Ethical Dilemmas in Business and Local Government: Prevention of Unethical Conduct”, **Journal of Business Ethics Education** Vol. 20: 209-218.
- 2023 J. Skorin-Kapov and D. Skorin-Kapov, “Business Competition and Innovation: Business and Ethical Issues in Engineering Discussed via Narrative Films”, **International Journal of Business & Management Studies**, Vol. 4; Issue 8, 19-26, August 2023; <https://ijbms.net/assets/files/1691821908.pdf>

- 2023 D. Zohidov and J. Skorin-Kapov, "Technology Innovation and Ethics of Business Competition", **International Journal of Humanities Social Sciences and Education (IJHSSE)**, Vol. 10, Issue 9, September 2023, 161-167, September 2023; <https://arcjournals.org/pdfs/ijhsse/v10-i9/20.pdf>
- 2023 J. Tagangylyjov and J. Skorin-Kapov, "Profit versus Social Impact and Responsibility", **International Journal of Managerial Studies and Research**, Vol. 11, Issue 10, 1-7. <https://www.arcjournals.org/pdfs/ijmsr/v11-i10/1.pdf>
- 2023 J. Skorin-Kapov and D. Skorin-Kapov, "On cultural history regarding the intertwining nature of philosophy and science: Boscovich and Nietzsche", **International Journal of History and Cultural Studies (IJHCS)**, Vol. 9, Issue 2, 50-54. <https://www.arcjournals.org/pdfs/ijhcs/v9-i2/5.pdf>
- 2023 L. Leon and J. Skorin-Kapov, "Aesthetics and Business Ethics: Impact on Leadership, Branding, Firm's Morale, **International Journal of Arts, Humanities & Social Science**, Vol.4, Issue 10, 1-7. <https://ijahss.net/assets/files/1697041604.pdf>
- 2020 D. Skorin-Kapov and J. Skorin-Kapov, "Network Connectivity Game", **Journal of Computing and Information Technology**, Vol. 28, Issue 2, 73-87.
- 2018 J. Skorin-Kapov, M. Benson, "Teaching Business Ethics through Narrative Film," **Journal of Business Ethics Education** Vol. 15, 185-202.
2013. J. Chakrapani and J. Skorin-Kapov, "Mapping Tasks to Processors to Minimize Communication Time in a Multiprocessor System," reprint in **"The Impact of Emerging Technologies on Computer Science and Operations Research ((Operations Research/Computer Science Interfaces Series))"**, Springer, 45-64.
2012. J. Skorin-Kapov, D. Skorin-Kapov, H. Podnar, "Core Node Location Problem: Heuristic Solvability via Tabu Search, **International Journal of Operations and Quantitative Management** Vol. 18(1), 71-86.
2012. D. Skorin-Kapov, J. Skorin-Kapov, "A Note on Steiner Tree Games," **Networks** Vol. 59, Issue 2, 215-225.

2011. D. Skorin-Kapov and J. Skorin-Kapov, "A Note on Steiner Tree Games", *Networks*-2011-DOI 10.1002/net, p 1-11, published in Wiley Online Library ©2011 Wiley Periodical, Inc.
2009. J. Skorin-Kapov, D. Skorin-Kapov, "Optical Networks: Trends, Optimization and Management," **Handbook of Research on Telecommunications Planning and Management** (Ed. In Lee), IGI Global – Information Science Reference, Advances in E-Business Series (AEBR) book series, 941-956.
2008. J. Skorin-Kapov, D. Skorin-Kapov, "'MILP Formulations and Quantitative Analysis for the Core Node Location Problem," **International Journal of Operations and Quantitative Management** Vol.14 (1), 17-27.
2007. J. Skorin-Kapov, D. Skorin-Kapov, V. Boljuncic, "On Management of Optical Networks: Utilization versus Cost," **Journal of Applied Business and Economics**, Vol. 7(2), 58-70.
2006. D. Skorin-Kapov, J. Skorin-Kapov and V. Boljuncic, "Location Problems in Telecommunications," **Handbook of Optimization in Telecommunications, Chapter 20**, 518-544 (ed. P.M. Pardalos and M.G.C. Resende), Springer.
2005. D. Skorin-Kapov and J. Skorin-Kapov, "Threshold Based Discounting Networks: The Cost Allocation Provided by the Nucleolus," **European Journal of Operational Research** Vol. 166, 154-159.
2004. V. Boljuncic, D. Skorin-Kapov, J. Skorin-Kapov, "A Tabu search Approach Towards Congestion and Total Flow Minimization in Optical Networks," **Journal of Systems Science and Systems Engineering** Vol.13(2), 180-201.
2003. H. Podnar and J. Skorin-Kapov, "Genetic Algorithm for Cost Minimization Using Threshold Based Discounting," **Journal of Applied Mathematics and Decision Science** Vol. 7(4), 207-228.
2002. H. Podnar and J. Skorin-Kapov, "An Application of a Genetic Algorithm for Throughput Optimization in Non-broadcast WDM Optical Networks with Regular Topologies," **Mathematical Communications** Vol. 7, 45-59.
2002. H. Podnar and J. Skorin-Kapov, "A Genetic Algorithm for Optimizing Throughput in Non-Broadcast WDM Optical Networks," in **Hybrid Information Systems** (Eds. A. Abraham and M. Koeppen), **Physica Verlag**, Heidelberg, 323-338.

2002. H. Podnar, J. Skorin-Kapov and D. Skorin-Kapov, "Network Cost Minimization Using Threshold Based Discounting," **European Journal of Operational Research** Vol. 137(2), 371-386.
2001. V. Boljuncic, D. Skorin-Kapov and J. Skorin-Kapov, "On Delay versus Congestion in Designing Rearrangeable Multihop Lightwave Networks," **Journal of Computing and Information Technology**, Vol. 9(3), 213-218.
2001. J. Skorin-Kapov and W. Tang, "Training Artificial Neural Networks: Backpropagation via Nonlinear Optimization," **Journal of Computing and Information Technology**, Vol. 9(1), 1-14.
1998. J. Skorin-Kapov and J.-F. Labourdette, "On Minimum Congestion Routing in Broadcast Optical Networks with Regular and Arbitrary Topologies," **DIMACS Series in Discrete Mathematics and Theoretical Computer Science**, Vol. 46, 143-155.
1998. J. Skorin-Kapov and J.-F. Labourdette, "Rearrangeable Multihop Lightwave Networks: Congestion Minimization on Regular Topologies," **Telecommunication Systems** Vol. 9, 113-132.
1997. J. Skorin-Kapov, "On Strongly Polynomial Algorithms for Some Classes of Quadratic Programming Problems," **Mathematical Communications** Vol. 2, 95-105.
1997. J. Skorin-Kapov and J.-F. Labourdette, "On Throughput Optimization in Optical Networks with Regular and Arbitrary Topologies," **Journal of Computing and Information Technology**, Vol. 5(4), 219-230.
1997. F. Granot, J. Skorin-Kapov and A. Tamir, "Using Quadratic Programming to Solve High Multiplicity Scheduling Problems on Parallel Machines," **Algorithmica**, Vol.17 (2), 100-110.
1996. M. O'Kelly, D. Bryan, D. Skorin-Kapov, J. Skorin-Kapov, "Hub Network Design with Single and Multiple Allocation: A Computational Study of the Role of the Interhub Discount Factor," **Location Science**, Vol.4 (3), 125-138.
1996. D. Skorin-Kapov, J. Skorin-Kapov and M. O'Kelly, "Tight Linear Programming Relaxations of p-Hub Median problems," **European Journal of Operational Research**, Vol.94, 582-593.

1995. D. Skorin-Kapov and J. Skorin-Kapov, "On Hub Location Problems," **Journal of Computing and Information Technology**, Vol.3 (3), 183-192.
1995. J. Skorin-Kapov and J.-F. Labourdette, "On Minimum Congestion Routing in Logically Rearrangeable Multihop Lightwave Networks," **Journal of Heuristics**, Vol.1 (1), 129-145.
1995. M. O'Kelly, D. Skorin-Kapov and J. Skorin-Kapov, "An Improved Lower Bound Estimate for the Hub Location Problem," **Management Science**, Vol.41 (4), 713-721.
1995. J. Chakrapani and J. Skorin-Kapov, "Mapping Tasks to Processors to Minimize Communication Time in a Multiprocessor System," in **"The Impact of Emerging Technologies of Computer Science and Operations Research"**, Kluwer Academic Publishers, 45-64.
1994. J. Chakrapani and J. Skorin-Kapov, "A Constructive Method for Improving Lower Bounds for a Class of Quadratic Assignment Problems," **Operations Research**, Vol.42 (5), 837-845.
1994. D. Skorin-Kapov and J. Skorin-Kapov, "On Tabu Search for the Location of Interacting Hub Facilities," **European Journal of Operational Research**, Vol.73 (3), 501-508.
1994. J. Skorin-Kapov, "Extensions of Tabu Search Adaptation to the Quadratic Assignment Problem," **Computers and Operations Research**, Vol.21 (8), 855-865.
1994. J. Chakrapani and J. Skorin-Kapov "A Constructive Method to Improve Lower Bounds for the Quadratic Assignment Problem," **Discrete Mathematics and Theoretical Computer Science (DIMACS) Series 16: Quadratic Assignment and Related Problems**, American Mathematical Society (ed. P. Pardalos and H. Wolkowicz), 161-171.
1993. J. Chakrapani and J. Skorin-Kapov, "Massively Parallel Tabu Search for the Quadratic Assignment Problem," **Annals of Operations Research** Vol.41, 327-341.
1993. J. Chakrapani and J. Skorin-Kapov, "Connection Machine Implementation of a Tabu Search Algorithm for the Traveling Salesman Problem," **Journal of Computing and Information Technology** Vol.1 No.1, 29-36.

1993. J. Skorin-Kapov and A. Vakharia, "Scheduling a Flow-Line Manufacturing Cell: A Tabu Search Approach," **International Journal of Production Research** Vol. 31 No.7, 1721-1734.
1993. F. Granot and J. Skorin-Kapov, "On Polynomial Solvability of the High Multiplicity Total Weighted Tardiness Problem," **Discrete Applied Mathematics** 41, 139-146.
1992. J. Chakrapani and J. Skorin-Kapov, "A Connectionist Approach to the Quadratic Assignment Problem," **Computers and Operations Research** Vol.19,No.3/4, 287-295.
1990. J. Skorin-Kapov "Tabu Search Applied to the Quadratic Assignment Problem," **ORSA Journal on Computing**, Vol.2, No.1, 33-45.
1990. F. Granot and J. Skorin-Kapov, "Some Proximity and Sensitivity Results in Quadratic Integer Programming," **Mathematical Programming** 47, 259-268.
1990. F. Granot and J. Skorin-Kapov, "Towards a Strongly Polynomial Algorithm for Strictly Convex Quadratic Programs: An Extension of Tardos' Algorithm," **Mathematical Programming** 46, 225-236.
1989. F. Granot and J. Skorin-Kapov, "Simultaneous Approximation in Quadratic Integer Programming," **Operations Research Letters** Vol.8, No.5, 251-255.
1987. J. Skorin-Kapov and F. Granot, "Nonlinear Integer Programming: Sensitivity Analysis for Branch and Bound," **Operations Research Letters** Vol. 6, No. 6, 269-274.

PUBLICATIONS IN REFERRED CONFERENCE PROCEEDINGS

2023. D. Skorin-Kapov and J. Skorin-Kapov, "On Cost Allocation in Some Communications Networks," **23rd Proceedings of the National Business and Economic Society Conference**, Puerto Rico, March 8-11, 2023.
2019. D. Skorin-Kapov, J. Skorin-Kapov, "Social Enterprise Tree Network Game" (abstract), **ECCO XXXII: 32nd Conference of the European Chapter on Combinatorial Optimization**, St. Julian's Malta, 30 May - 1 June 2019.
2012. D. Skorin-Kapov, J. Skorin-Kapov, "Some Notes on Cost Allocation in Multicasting," **Proceedings of the ICTSM 2012 International Conference on Telecommunication Systems Management**, Prague, Czech Republic, May 24-25, 2012.

2007. D. Skorin-Kapov, J. Skorin-Kapov, "A Cost Allocation Scheme for Multicasting," **Proceedings of the NEAC (Networking and Electronic Commerce Research Conference)**, Riva del Garda, Italy, October 18-21.
2007. J. Skorin-Kapov, D. Skorin-Kapov and J. Boljuncic, "On Management of Optical Networks: Utilization versus Cost", **Electronic Proceedings of the 7th National Business and Economic Society Conference**, NBES'2007, Puerto Rico (March 2007).
2003. D. Skorin-Kapov and J. Skorin-Kapov, "On the Nucleolus of the Threshold Based Discounting Network (TBDN) Game, **Proceedings of the 25th International Conference on Information Technology Interfaces**, 525-530, Cavtat, June 16-19, 2003
2003. D. Skorin-Kapov and J. Skorin-Kapov, "On Economies of Scale and Cooperation in Communication Networks with Threshold Based Discounting," **Proceedings of the National Business and Economic Society Conference**, St. Thomas, US Virgin Islands, March 5-8, 2003.
2002. J. Skorin-Kapov, "On Heuristic Solvability and Applicability of the Quadratic Assignment Problem," **Operational Research Proceedings KOI 2002**, 149-157, Trogir, October 2-4, 2002.
2002. V. Boljuncic, D. Skorin-Kapov and J. Skorin-Kapov "Some Efficiency Issues in Designing Optical Networks," **Proceedings of the National Business and Economic Society Conference**, Maui, Hawaii, March 6-9.
2001. V. Boljuncic, J. Skorin-Kapov and D. Skorin-Kapov, "On Delay versus Congestion in Designing Rearrangeable Multihop Lightwave Networks," **Proceedings "Information Technology Interfaces ITI 2001"**, Pula, June 17-20.
2001. V. Boljuncic, J. Skorin-Kapov and D. Skorin-Kapov, "A Design of Rearrangeable Multihop Lightwave Networks: A Multicriteria Approach," **Proceedings 4th Metaheuristics International Conference MIC 2001**, Portugal, July 16-20.
2000. H. Podnar, J. Skorin-Kapov and D. Skorin-Kapov, "Cost Minimization of Networks with Threshold Based Discounting," **Proceedings INFORMS/KORMS Seoul**, South Korea, June 2000.

1998. H. Podnar and J. Skorin-Kapov, "On Network Design: Cost Minimization via Amalgamation of Flows," **Proceedings SoftCOM'98**, Split-Bari-Dubrovnik, October 1998.
1998. J. Skorin-Kapov and J.F. Labourdette, "On Congestion Minimization in Broadcast Optical Networks," **Proceedings MIPRO Conference**, Opatija, May 18-22.
1997. J. Skorin-Kapov and J.F. Labourdette, "On Throughput optimization in optical networks with regular and arbitrary topologies," **Proceedings "Information Technology Interfaces ITI 97"**, Pula, June 17-20.
1997. L. Neralic, B. Reljic and J. Skorin-Kapov, "On the selection of the maximal internal rate of return," **Proceedings 20th Meeting of the EURO Working Group on Financial Modelling**, Dubrovnik, April 20-24.
1996. J. Skorin-Kapov and J.F. Labourdette, "On heuristic solvability of the congestion minimization problem in optical networks with regular topologies: a tabu search approach," **Proceedings "Broadband and Multimedia Workshop"**, the Department of Telecommunications, Faculty of Electrical Engineering and Computing, the University of Zagreb, Nov 10-12.
1996. J. Skorin-Kapov and J.F. Labourdette, "On minimal congestion routing in optical networks," **Proceedings 6th Croatian Conference in Operations Research**, Rovinj, October 1-3,
1995. D. Skorin-Kapov and J. Skorin-Kapov, "On Hub Location Problems," **Proceedings of the 17th International Conference "Information Technology Interfaces"** Pula, June 13-16.
1993. J. Chakrapani and J. Skorin-Kapov, "On a Constructive Approach to Generate Lower Bounds or the Quadratic Assignment Problem," **Proceedings of the 3rd Conference on Operational Research, KOI'93**, Rovinj.
1993. J. Chakrapani and J. Skorin-Kapov, "A Constructive Method to Improve Lower Bounds for the Quadratic Assignment Problem," **Proceedings of the Symposium on Applied Mathematical Programming and Modeling APMOD93**, Budapest.
1993. F. Glover and J. Skorin-Kapov, "Heuristic Advances in Optimization Integrating Tabu search, Ejection Chains and Neural Networks," **Proceedings of the Symposium on Applied Mathematical Programming and Modeling APMOD93**, Budapest.

1992. J. Skorin-Kapov and F. Granot, "A Strongly Polynomial Solvability for a Toxic Waste Disposal Problem," **Proceedings of the 2nd Conference on Operational Research, KOI'92**, Rovinj.
1991. J. Skorin-Kapov "On Tabu Search for the Quadratic Assignment Problem", **Proceedings of the 1st Conference on Operational Research, KOI'91**, Zagreb.
1991. J. Skorin-Kapov "On Heuristic Search and on Some Exactly Solvable Special Cases for Nonlinear Integer Programming", **Proceedings of the 18th Annual NSF Grantees Conference on Design and Manufacturing Systems Research**, Atlanta.
1984. V. Boljuncic and J. Skorin-Kapov, "The Explicit Solution of the Quadratic Matrix Equation", **6th Proceedings of the International Symposium "Computer at the University"**, Cavtat.
1983. J. Skorin-Kapov, "Solving the Quadratic Assignment Problem by a Heuristic Method", **Proceedings of the 10th Symposium "SYMOPIS"**, Herceg-Novi.
1983. J. Skorin-Kapov, "About Linearization of the Quadratic Assignment Problem", **Proceedings of the 5th International Symposium "Computer at the University"**, Cavtat.
1983. L. Neralic, J. Skorin-Kapov and L. Szivovics, "On an Application of the Multiplier Method", **Proceedings of the Symposium "Jahorina 83"**, Jahorina.

OTHER PUBLICATIONS

J. Skorin-Kapov, [A Short History of Istria and Pula](http://www.croatianhistory.net/etf/jadran.html), at <http://www.croatianhistory.net/etf/jadran.html>

2018 J. Skorin-Kapov interview in The Aspen Institute Newsletter, [What Films Can Teach Us About Business Ethics](#),

NATIONAL SCIENCE FOUNDATION AWARDS

1999-2001 (Networking and Communications Research) Title: *On Design Optimization in Optical Networks*

1997-1998 (Design and Manufacturing Systems/ Decision, Risk and Management Science/ NSFNET) Title: *Cost Allocation in Communication Networks*

1993-1995 (Design and Manufacturing Systems) Title: *On Heuristic Search for Combinatorial Optimization*

1992-1995 (Mathematical Sciences / Geography) Title: *Sensitivity of Solutions to Problem of Locating Interacting Hub Facilities*

1989-1992 (Design and Manufacturing Systems) Title: *Heuristic Search Techniques Applied to Nonlinear Integer Programming*

OTHER GRANTS AND AWARDS

2022 Appointed as the [SUNY Distinguished Teaching Professor](#), State University of New York

2020 Election to the [Croatian Academy of Sciences and Arts](#) as a corresponding member

2017 [Ideas Worth Teaching Award](#), The Aspen Institute Business and Society Program at <https://www.ideasworthteachingawards.com/2017-award-winners>

2016 [SUNY Chancellor's Award for Excellence in Scholarship and Creative Activities](#)

2007 United University Professions, Individual Development Award, Stony Brook (Participation at *NEAC (Networking and Electronic Commerce Research Conference* in Riva del Garda, Italy, October 18 – 21.)

2003 United University Professions, Individual Development Award, Stony Brook University (Participation at 25th International Conference on Information Technology Interfaces)

2002 United University Professions, Individual Development Award, Stony Brook University (Participation at 5th Spanish Meeting on Game Theory)

2001 United University Professions, Individual Development Award, Stony Brook University (Participation at 14th Italian Meeting on Game Theory)

2000 United University Professions, Individual Development Award, Stony Brook University (Participation at 2nd Croatian Mathematical Congress)

1998-1999 Fulbright Fellowship (Lecturing/Research in Croatia) 3/1/99-8/1/99) (declined)

1996 Travel Grant, School of Industrial Engineering, Catholic University of Valparaiso, Chile (to attend the 2nd ALIO/EURO Workshop on Practical Combinatorial Optimization)

1995 National Science Foundation grant: Advanced Computing Resources from the National Science Supercomputing Center

1993 Term Faculty Development Award (NY State UUP)

1989 Acceptance at the AACSB Advanced MIS Faculty Development Institute, Indiana University

1989 Travel Grant - Stony Brook University

1987-1988 University of British Columbia, Commerce Endowment research grant

1987-1988 University of British Columbia HSS research grant

1986-1987 University of British Columbia Graduate Fellowship

1986 University of British Columbia Summer Graduate Fellowship

1984-1985 Dean Earle D. MacPhee Memorial Fellowship in Commerce and Business Administration, University of British Columbia

TEACHING ACTIVITY

- Designed and taught several courses in diverse departments (College of Business, formerly Harriman School for Management and Policy; Applied Mathematics and Statistics), in diverse areas (management information systems, operations management, operations research), and for different levels (undergraduate, masters, doctoral, executive).
- Worked on the curriculum design for an advanced certificate in Information Systems Management (approved by the New York State)
- New Degree Program. M.S. in Decision Analytics. 2018 – 2023: Chaired the committee to develop the graduate M.S. program in Decision Analytics. Proposed changes to the Letter of Intent. Lead the development of potential external reviewers list and provided answers to their comments. Co-developed a new course BDA 508- Advanced Analytics
- Served as a Ph.D. advisor and a member of numerous Ph.D. Committees; supervised several internship reports (equivalent to a master thesis); supervised a number of group projects (a group of students working for an external client).

The list of courses follows.

SUNY at Stony Brook, College of Business (Harriman School for Management and Policy):

<u>Graduate courses:</u>	Management Information Systems
	Systems Analysis and Design
	MIS module for the Technology Management program
	Operations Research
	Operations Management

<u>Undergraduate courses:</u>	Management Information Systems
	Operations Management
	Management Science
	Introduction to Decision Sciences
	Business Ethics through Film

SUNY at Stony Brook, Department of Applied Mathematics and Statistics:

<u>Graduate courses:</u>	Integer Programming
	Nonlinear Programming
	Mathematical Programming II

University of British Columbia, Faculty of Commerce and Business Administration:

<u>Graduate course:</u>	Integer Programming.
<u>Undergraduate course:</u>	Decision Analysis, Probability and Statistics.

DOCTORAL ADVISOR FOR THE PHD DISSERTATIONS:

2001 Hrvoje Podnar, *Issues in Hub Network Design*, (in the Department of Applied Mathematics and Statistics)

1993 Jaishankar Chakrapani, *On Heuristic Solvability of Some Hard Combinatorial Optimization Problems*, (in the Department of Applied Mathematics and Statistics)

PROFESSIONAL ACTIVITIES

Refereeing papers for a number of international journals, including Science and Engineering Ethics, Annals of Operations Research, Computers and Operations Research, Discrete Applied Mathematics, Journal of Computing and Info. Technology, Journal of Global Optimization, Management Science, Mathematical Programming, Naval Research Logistics, Networks, ORSA Journal on Computing, Operations Research, SIAM Journal on Optimization, etc. Refereeing NSF proposals.

OTHER PROFESSIONAL ACTIVITIES

2016 - present On the Editorial Advisory Board of *Journal of Modelling in Management*

2008- present On the Editorial Board of *International Journal of Mathematics in Operational Research*

2008 – present On the Editorial Board of *Handbook of Research on Telecommunications Planning and Management for Business*

2004 - present On the Editorial Advisory Board of *Algorithmic Operations Research*

1997 - present On the Editorial Board of *Mathematical Communications*

2008 Co-Chair of the Scientific Committee for the 21st Meeting of the European Chapter on Combinatorial Optimization (ECCO XXI), Dubrovnik, Croatia, May 29-31, 2008

2008 On the Editorial Advisory Board for the *Handbook of Research on Telecommunications Planning and Management for Business* (by IGI Global – Information Science Reference)

2008 - On the Editorial Advisory Board of *International Journal of Mathematics in Operational Research (IJMOR)*

1994 - 2005 Associate Editor for the *Journal of Heuristics*

1997 - 2004. Associate Editor for the *Journal of Computing and Information Technology*

1990- Organized sessions at professional meetings

2001- Member of the Programming Committee for *the 6th International Conference on Telecommunications ConTEL 2001 & 2nd Workshop on All-Optical Networks - WAON 2001*. (Zagreb, June 13-15, 2001)

1997 Co-Director, *20th EURO Meeting of Working Group on Financial Modeling*, Dubrovnik, Croatia

1996 Member, Program Committee for *6th Croatian Conference on Operational Research*.

1993 Member, Program Committee for *3rd Conference on Operational Research KOI'93*.

1992 Member, Program Committee for *2nd Conference on Operational Research KOI'92*.

DEPARTMENTAL SERVICE

Present (from 2015) Director, Center for Integration of Business Education & Humanities (CIBEH)

Present (from 2014) Member, PhD Program Development Committee

Present (from 2025) – Member, Promotion and Tenure Committee in College of Business

2015-2024 Head of Management Area for the College of Business

2013- 2021 MBA Curriculum Committee

2023 – Chair of the Committee for H. Gurnani's promotion and tenure

2021 – 2025 Chair of the Promotion and Tenure Committee in College of Business

2011-2015 Graduate Program Director for the College of Business

2013-2014 Member, various tenure and promotion committees

2013-2014 Chair of the Committee for H. Lewis's promotion and tenure

2011-2012 Chair of the Committee for D. Holod's promotion and tenure

2010 Member, Education Committee, COB

2007 Member, *Graduate Applicants Screening Committee*

2004-2005 Member, *Search Committee (Finance)*

2004 Member, *Committee for Evaluation of Graduate Applicants*

2004 Member, *Committee to review the business research honors program and the 5-year MBA program*

2004 Member, *Committee for designing undergraduate concentration in Operations Management*

2003 Member, *Task Force for development of an Undergraduate Honors Program in Business*

2002 Chair of the Committee for T. Sexton's promotion to Full Professor

2002 Member, *Recruitment Committee*

1999 Chair, *Faculty Search Committee* (Marketing, Finance, Accounting)

1998 *Undergraduate Research Liaison* person (task is to encourage and coordinate undergraduates interested in doing independent research projects)

1998 Member, *Recruiting Committee (Operations Management)*, the Harriman School

1998 Member, *Faculty Evaluation Committee*, the Harriman School

1993-96 Organization and direction of the *Center for Information Systems Management* at the State University of New York at Stony Brook.

1993-94 Design of an advanced *Certificate in Information Systems Management* (approved by the New York State in 1996).

1994 Member, *Faculty Evaluation Committee*, the Harriman School.

1994 Organization and Coordination of the *Operations Research Seminar* jointly with Applied Mathematics.

1992-93 Involved in the Harriman's *Jobs Project* (the project of retraining displaced defense engineers).

1992-93 Member, *Recruiting Committee (Operations Management)* in the Harriman School.

1990-92 Involvement in a preliminary stage of a Ph.D. program design at the Harriman School.

1990-93 Organization and coordination of seminar series including the *Operations Research Seminar* jointly with Applied Mathematics (1990-1991), and the *Harriman School Seminar* (1992-93).

UNIVERSITY SERVICE

2022-2023 Co-Chair for the Black, Latinx, and Indigenous diaspora studies IDEA Fellows search

2022-2023 Member, Search committee for the Dean of the College of Business (CoB).

2021 Member, Honorary Degree Committee Stony Brook University

2018 Member, Graduate School Dean Search Committee, Stony Brook University

2018-2016 Member, Committee for the Chancellor's Award for Excellence in Scholarship and Creative Activity

2015 Member, Arts Leadership Initiative

2014 Member, CEAS Industrial Engineering degree program planning Committee

2013-2014 Member, SMART Technology cluster recruitment

2000 – 2004 Member, *CEAS Undergraduate Curriculum Development Committee*

1995-96 Member, *School of Professional Development Council*

1995 Member, *Ad Hoc Committee on Course Equivalency* (regarding the integration of the Harriman School with College of Engineering and Applied Science)

1995 Member, *Working Group on Computing and Computer Education*, SUNY at Stony Brook.

1994-95 Member, *Steering Committee for the Friends of the Poetry Center*, SUNY at Stony Brook

1993 Member of the *Recruiting Committee (Industrial Engineering)* in the Department of Technology and Society.

1992-93 Member, *Subcommittee on Administrative Systems*, SUNY Stony Brook (part of the *Task Force on the Future of Computing and Communications*, 1993.)

1990 Member, *Recruiting Committee (Operations Research)* in Applied Mathematics and Statistics Department

1989-93 Recruitment of doctoral students in Applied Mathematics and Statistics Dept.

INVITED AND CONTRIBUTED LECTURES

March 2025. "On Cost Allocation of Services Delivered via Directed Acyclic Network" (with D. Skorin-Kapov, *25th National Business and Economic Society Conference, St. Thomas, US Virgin Islands*).

March 2024. "On Cost Allocation of Steiner Trees in Communication Networks", (with D. Skorin-Kapov), *24th National Business and Economic Society Conference, Puerto Vallarta, Mexico*.

July 2023 "On Cost Allocation in Hub-like Networks," (with D. Skorin-Kapov) *EURO/INFORMS Conference, Istanbul, Turkey*.

March 2023 "On Cost Allocation in Some Communication Networks", (with D. Skorin-Kapov) *23rd National Business and Economic Society Conference, Rio Grande, Puerto Rico*.

June 2022 "Avoiding jurisdiction: Local government versus state bodies", (with D. Skorin-Kapov), *International Congress on Social Sciences, China to Adriatic-XIV*, June 10-12, 2022; Kayseri, Turkey

June 2022 "The Nucleolus of the Network Connectivity Game," (with D. Skorin-Kapov), *ECCO (European Chapter on Combinatorial Optimization) XXXV – CO (Combinatorial Optimization) 2022 Joint Conference*, June 9 –11, 2022

May 2019 "Social Enterprise Tree Network Game," (with D. Skorin-Kapov), *ECCO XXXII European Chapter on Combinatorial Optimization*, Malta, May 30 - June 1, 2019.

July 2017 "Business ethics and critical thinking through film," (with M. Benson), *33rd EGOS Colloquium*, Sub-theme 40: *The Moral of the Story: Aesthetics and Ethics in Organizations*, Copenhagen July 6-8, 2017.

March 2017 "The Social Tree Network Game", (with D. Skorin-Kapov), *17th National Business and Economic Society Conference, NBES'2017, Puerto Vallarta, Mexico*

May 2015 "On Monotonicity in Steiner Tree Network Games," (with D. Skorin-Kapov), *ECCO 2015- 28th Conference of the European Chapter on Combinatorial Optimization*, University of Catania, Italy May 28-30, 2015.

April 2014 "Distance and Population Monotonic Cost Allocation Scheme for the Steiner Tree Game in Series-Parallel Communication," (with D. Skorin-Kapov), *National Business and Economic Society 15th Annual Conference*, Hawaii, March 12-15, 2014.

September 2012 "A Meta-Heuristic Approach for Minimizing the Maximum Link Distance for the Core Node Location Problem (CNLP)" (with D. Skorin-Kapov and H. Podnar). 14th International Conference on Operational Research, KOI 2012. Trogir, Croatia.

May 2012 "Some notes on Cost Allocation in Multicasting," (with D. Skorin-Kapov), *ICTSM 2012 International Conference on Telecommunication Systems Management*, Prague, Czech Republic, May 24-25

October 2009 "Tabu Search Heuristic for the Core Node Location Problem (CNLP)," with D. Skorin-Kapov and H. Podnar), *INFORMS National Meeting*, San Diego, October 11-14.

March 2009 “MILP Formulations and Quantitative Analysis for the Core Node Location Problem” (with Darko Skorin-Kapov), National Business and Economic Society Conference, St. Kitts, March 11-14.

October 2007 “A Cost Allocation Scheme for Multicasting,” (with D. Skorin-Kapov), NEAC (Networking and Electronic Commerce Research Conference), Riva del Garda, Italy, October 18-21, 2007.

May 2007 “On Location Problems Arising in the Design and Usage of Optical Networks”, ECCO XX (European Chapter on Combinatorial Optimization), Limassol, Cyprus, May 24-26.

March 2007 “On Management of Optical Networks: Utilization versus Cost” (with D. Skorin-Kapov), 6th National Business and Economic Society Conference, NBES’2007, Puerto Rico.

March 2006 “On Cost Allocation for Multicasting in Networks,” (with D. Skorin-Kapov), National Business and Economic Society Conference, Los Cabos, Mexico, March 8-11, 2006.

June 2004 “Application of Tabu Search in Design of Optical Networks,” (with V. Boljuncic and D. Skorin-Kapov), Third Croatian Congress of Mathematics, Split June 16-18, 2004.

July 2003 “On Cost Allocation in Hub-like Networks,” (with D. Skorin-Kapov), EURO/INFORMS Joint International Meeting, Istanbul, July 6-10, 2003.

June 2003 “On the Nucleolus of the Threshold Based Discounting Network (TBDN) Game,” (with D. Skorin-Kapov), 25th International Conference on Information Technology Interfaces, Cavtat, June 16-19, 2003.

March 2003 “On Economies of Scale and Cooperation in Communication Networks With Threshold Based Discounting” (with D. Skorin-Kapov), National Business and Economic Society Conference, St. Thomas, US Virgin Islands, March 5-8, 2003.

July 2002 “On Cost Allocation in Communication Networks,” (with D. Skorin-Kapov and V. Boljuncic), IFORS 2002 Conference, Edinburgh, 8-12 July.

July 2002 “On Economies of Scale and Cooperation in Some Communication Networks,” (with D. Skorin-Kapov), 5th Spanish Meeting on Game Theory, Seville, 1-3 July.

March 2002 “Some Efficiency Issues in Designing Optical Networks,” (with V. Boljuncic and D. Skorin-Kapov), National Business and Economic Society Conference, Maui, Hawaii, March 6-9, 2002.

Nov 2001 “A Multicriteria Approach Applied to Rearrangeable Multihop Lightwave Networks,” (with D. Skorin-Kapov and V. Boljuncic), INFORMS 2001 Annual Meeting, Miami Beach, November 4-7.

July 2001 “A Design of Rearrangeable Multihop Lightwave Networks: A Multicriteria Approach,” (with V. Boljuncic and D. Skorin-Kapov), 4th Metaheuristics International Conference, MIC’2001, Porto, Portugal, July 16-20.

June 2001 “On Delay versus Congestion in Designing Rearrangeable Multihop Lightwave Networks,” (with V. Boljuncic and D. Skorin-Kapov), 23rd International Conference "Information Technology Interfaces", Pula, Croatia, June 16-20.

November 2000 “A Genetic Algorithm Approach to a Design of a WDM Optical Network,” (with H. Podnar), INFORMS Annual Meeting, San Antonio, Non 5-8, 2000.

June 2000 "Cost Minimization of Networks with Threshold Based Discounting," (with H. Podnar and D. Skorin-Kapov), INFORMS/KORMS Seoul, South Korea.

June 2000 "On Design Optimization in Optical Networks," Invited speaker at the 2nd Croatian Congress of Mathematics, Zagreb, Croatia.

October 1998. "Issues in Hub Network Design," (with H. Podnar) Proceedings of SoftCOM98 (International Conference in Telecommunications) Split-Bari-Dubrovnik.

May 1998. "On Congestion Minimization in Broadcast Optical Networks" (with J.-F. Labourdette), MIPRO Conference, Opatija.

March 1998. "On Minimal Congestion Routing in Optical Networks with Regular and Arbitrary Topologies," (with J.-F. Labourdette), Center for Discrete Mathematics and Theoretical Computer Science (DIMACS) Workshop on Multichannel Optical Networks, Rutgers University.

June 1997. "On Throughput Optimization in Optical Networks," (with J.-F. Labourdette), 19th International Conference "Information Technology Interfaces" Pula.

April 1997. "On the Selection of the Maximal Internal rate of Return," (with L. Neralic and B. Reljic), 20th Meeting of the EURO Group on Financial Modeling, Dubrovnik.

Nov 1996. "On Heuristic Solvability of the Congestion Minimization Problem in Optical Networks With Regular Topologies: A Tabu Search Approach," (with J.-F. Labourdette), "Broadband and Multimedia" Workshop, Zagreb.

Oct 1996. "On Minimal Congestion Routing in Optical Networks," (with J.-F. Labourdette), 6th Croatian conference in Operations Research, Rovinj.

June 1995. "On Hub Location Models," (with D. Skorin-Kapov), 17th International Conference "Information Technology Interfaces" Pula.

April 1995. "On Issues in the Design of Telecommunication Networks," INFORMS National Meeting, Los Angeles.

June 1994. "On the Interplay between Heuristic and Exact Solutions for the Hub Location Problem" (with D. Skorin-Kapov, M. O'Kelly), TIMS XXXII Anchorage, Alaska.

April 1994. "On Mixed Integer Programming formulations for the Hub Location Problem," (with D. Skorin-Kapov, M. O'Kelly), TIMS/ORSA Joint National Meeting, Boston

Nov 1993. "Strongly Polynomial Solvability for a Class of Quadratic Scheduling Problems," (with F. Granot and A. Tamir), ORSA/TIMS Joint National Meeting, Phoenix, Arizona.

Nov 1993. "On The Gap between Upper and Lower Bounds for the Hub Location Problem," (with D. Skorin-Kapov, M. O'Kelly), TIMS/ORSA Joint National Meeting, Phoenix, Arizona.

Oct 1993. "On a Constructive Approach to Generate Lower Bounds for the Quadratic Assignment Problem," (with J. Chakrapani), 3rd Conference on Operational Research, KOI'93, Rovinj.

May 1993. "A Constructive Method to Improve Lower Bounds for the Quadratic Assignment Problem," (with J. Chakrapani), DIMACS Workshop on Quadratic Assignment and Related Problems, Rutgers University.

Jan 1993."Strongly Polynomial Solvability of a Class of Quadratic Scheduling Problems," Faculty of Economics, University of Zagreb, Croatia.

Jan 1993."A Constructive Method to Improve Lower Bounds for the Quadratic Assignment Problem," (with J. Chakrapani), Symposium on Applied Mathematical Programming and Modeling APMOD93, Budapest.

Jan 1993."Heuristic Advances in Optimization Integrating Tabu search, Ejection Chains and Neural Networks," (with F. Glover), Symposium on Applied Mathematical Programming and Modeling-APMOD93, Budapest.

April 1992."On Tabu Search for the Location of Interacting Hub Facilities", (with D. Skorin-Kapov), Invited Session, TIMS/ORSA Joint National Meeting, Orlando, Florida

April 1992."Scheduling a Flow Line Manufacturing Cell: A Tabu Search Approach", (with A. Vakharia), Invited Session, TIMS/ORSA Joint National Meeting, Orlando, Florida

April 1992."Mapping and Scheduling to Improve Communication Time on Massively Parallel System", (with J. Chakrapani), Invited Session, TIMS/ORSA Joint National Meeting, Orlando, Florida

April 1992."Efficiency and Solution Quality Issues When Solving Combinatorial Optimization Problems on CM", (with J. Chakrapani), Sponsored Session, TIMS/ORSA Joint National Meeting, Orlando, Florida

Nov. 1991."Strongly Polynomial Solvability of a Nonseparable Quadratic Integer Program with Applications to Toxic Waste Disposal" (with F. Granot), Invited Session on Discrete Optimization & Combinatorics, ORSA/TIMS Joint National Meeting, Anaheim, California

Nov. 1991."Parallel Tabu search on Connection Machines" (with J. Chakrapani), Session sponsored by ORSA Computer Science Technical Section, ORSA/TIMS Joint National Meeting, Anaheim, California

July 1991."Sensitivity Issues for the Quadratic Assignment Problem" (with J. Chakrapani), Invited Session on Networks and Graphs, TIMS XXX-SOBRAPO XXII Joint International Meeting, Rio de Janeiro, Brazil

May 1991."On Changing Tabu List Size by Creating Moving Gaps", Optimization Days Conference in Montreal

May 1991."Massively Parallel Algorithms for Combinatorial search" (with Jai Chakrapani), ORSA/TIMS Conference in Nashville

April 1991."Heuristic Solvability of the Quadratic Assignment Problem", Invited speaker at the Workshop on Heuristic Methods at the University of Florida, Gainesville

Oct 1990."Intelligent Heuristic for the Quadratic Assignment Problem", Stern School of Business, New York University

Oct 1990."Connectionist Approaches to the Quadratic Assignment Problem" (with Jai Chakrapani), ORSA/TIMS in Philadelphia

July 1990."Learning Strategies for the Component Placement Problem", IFORS Conference in Athens, Greece

July 1990."Quadratic Assignment Problem: New Tabu Search Developments", Technische University of Graz, Austria

May 1990."On Polynomial Solvability of the High Multiplicity Total Weighted Tardiness Problem", (with F. Granot) ORSA/TIMS Conference in Las Vegas

May 1990."Adaptation of Tabu search to the Quadratic Assignment Problem", Optimization Days Conference, Montreal

May 1990."Extensions of Tabu Search Adaptation to the Quadratic Assignment Problem", ORSA/TIMS Conference, Las Vegas

May 1989."Tabu Search Applied to the Quadratic Assignment Problem," CORS/TIMS/ORSA Conference in Vancouver, Canada

Nov 1987."Towards a Strongly Polynomial Algorithm For Strictly Convex Quadratic Programs: An Extension of Tardos' Algorithm," workshop at the University of Washington, Seattle

Oct 1987."Some Sensitivity and Proximity Results in Quadratic Integer Programming," (with F. Granot), ORSA/TIMS Conference, St. Louis

April 1987."Towards a Strongly Polynomial Algorithm for Strictly Convex Quadratic Programs: An Extension of Tardos' Algorithm," (with F. Granot), TIMS/ORSA Conference, New Orleans