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SIMON HAKIM

Address: **Center for Competitive Government
& the Department of Economics
TEMPLE UNIVERSITY**
Philadelphia, PA. 19122

Telephone: (215) 204-5037
Fax: (215) 204-4491
Citizenship U.S.A., Israel
Languages English, Hebrew, (*conversant in German, and Arabic, fluently*)

PRESENT POSITIONS

Director, Center for Competitive Government (CCG)
Professor of Economics
E-mail: simon.hakim@temple.edu
Home Page: <http://astro.temple.edu/~shakim>
CCG page: <http://www.fox.temple.edu/ccg>

Education

1965-1968 School of Social Studies, the Hebrew University of Jerusalem, BA in Economics
1969-1971 Graduate School of Architecture and Town Planning, Technion, Israel Institute of Technology, MSc in City and Regional Planning
1971-1976 Graduate School of Arts and Sciences, University of Pennsylvania.
1972 M.A in Regional Science
1976 Ph.D. in Regional Science

Academic Experiences

2008 Visiting lecture at Temple University Rome, Jiaotong University, Beijing, Technion, Israel Institute of Technology, and Ben Gurion University, Israel.
2007 (spring) Visiting Scholar, Faculty of Architecture and Town Planning, Technion, Israel Institute of Technology. Haifa, Israel.
1975 - Present Professor of Economics, Temple University
Director, **Center of Competitive Government**, Temple University
1982-1983 Visiting Scholar, Department of Regional Science, University of Pennsylvania, Philadelphia,
1982-1995 Teaching economics courses at Haverford College
1986 Visiting Associate Professor, Department of Economics, Haverford College, Haverford, Pennsylvania
Spring 1988 Visiting Professor, Faculty of Architecture and Town Planning, Technion, Israel Institute of Technology.

- 1991 Visiting Professor at the University of Pennsylvania, Fall 1991
 1991-1992 Teaching classes in Regional Science at the University of Pennsylvania.
 1994-2001 Editor of a book series on privatization of state and local services, Praeger Publishers, Westport, Connecticut (with P. Seidenstat and G. Bowman).
 In-Print Editor.
 2005- Editor of a book series on Protecting Critical Infrastructure, Springer, Publisher, New York, New York (with E. Blackstone).

Recent Non-Academic Employment

- 1984-1987 Researcher, U.S. Department of Labor Project on Barriers to the Employability of the Handicapped.
 1989-1991 Consultant, ADT Security Systems, Inc.
 1992 Consultant, Coca-Cola U.S.A. on Vandalism of Vending Machines,
 1989-1995 Consultant, Pennsylvania Fire and Burglar Alarm Association, Alarm Industry Research and Education Foundation,
 1993, 1996 Consultant, Temple University on the Impacts of the University and its Hospital on the Local, and State Economies, 1997.
 1995-1996 Columnist, **SDM Magazine**.
 1997-2000 Scientific Consultant **Consumers Report**
 1995-1996 consultant, Bureau of Administrative Adjudication, City of Philadelphia
 2000 Consultant, Philadelphia International Airport.
 2011- Consultant, expert witness, Newark Delaware
 2013-2014 Research consultant to Private Prison Companies

PUBLICATIONS

Articles in Refereed Journals

1. "The Spatial Dimension of Crime and Deterrence: (joint with G. Pidot), Regional Science Review, Vol. 7 (2), 1977: 260-284.
2. "Crime Attraction and Deterrence in Small Communities" (co-author), International Regional Science Review, vol. 3 (2), 1978: 153-163.
3. "Interjurisdictional Crime Spillover and Police Expenditure" (co-author), Land Economics, vol. 55 (2), 1979: 200-212.
http://www.jstor.org.libproxy.temple.edu/stable/pdf/3146062.pdf?_=1462081569856
4. "The Attraction of Property Crimes to Suburban Localities: A Revised Economic Model," Urban Studies, vol. 17 (3), 1980: 265-276 (lead article).
<http://usj.sagepub.com.libproxy.temple.edu/content/17/3/265.full.pdf+html>

5. "Appropriate Roles for Statistical Decision Theory and Hypothesis Testing in Model Selection: An Exposition" (joint with A. Buck), Regional Science and Urban Economics, vol. 11 (1), 1981: 135-147.
http://isc.temple.edu/economics/wkpapers/Approp_Roles_RS-UE.pdf
6. "Model Selection in Analyzing Spatial Groups in Regression Analysis" (co-authored with A. Buck), Geographic Analysis, vol. 12 (4), 1980: 392-398.
https://www.academia.edu/18579096/Model_Selection_in_Analyzing_Spatial_Groups_in_Regression_Analysis
7. "Analysis of Suburban Crime--An Exploratory Data Analysis Approach" (joint with A. Buck), Australian & New Zealand Journal of Criminology, vol. 14, June 1981: 83-90.
anj.sagepub.com/content/14/2/83.full.pdf
8. "Inequality Constraints, Multicollinearity and Models of Police Expenditure" (joint with A. Buck), Southern Economic Journal, vol. 48 (2), 1981: 449-993.
http://isc.temple.edu/economics/wkpapers/inequality_constraints.pdf
9. "Forecasting Demand for Recreational Boats", Water Resources Bulletin, vol. 17 (6), 1981: 987-993.
10. "A Simultaneous Equations System of Crime and Police" (joint with A. Buck), Statistica, vol. 61 (3), 1981: 449-457.
11. "The Diffusion of Crime in the Metropolis: A step-by-step Analysis" (joint with M. Gross), Journal of Environmental Systems, vol. 12 (1), 1982: 45-60.
12. "Three Stage Least Squares with Inequality Constraints: Auto Theft and Police Expenditure", (Joint with A. Buck), Empirical Economics, vol. 7 (3-4), 1982: 109-123.
http://isc.temple.edu/economics/wkpapers/3sls_auto-theft.pdf
13. "Organization of Police Departments in the Suburbs: New Realities, New Solutions" (Co-author), International Annals of Criminology, vol. 20 (1), 1982: 81-100.
14. "The Deterrence Hypothesis Revised" (co-authored), Regional Science and Urban Economics, vol. 13 (4): 471-486, 1983. <http://isc.temple.edu/economics/wkpapers/deterrence-revisited.pdf>
15. "Evaluation of Alternative Roads: A Modified Delphi Approach" (co-author), Environments, vol. 15 (1), 1983: 27-38.
16. "Substitution, Size Effects, and the Composition of Property Crime", (co-author), Social Science Quarterly, vol. 65, no. 3, (Sept.) 1984: 719-734.

17. "Interjurisdictional Criminal Mobility, A Theoretical Perspective", (co-author), Urban Studies, vol. 21, no. 4, (Nov.), 1984: 451-458.
<http://usj.sagepub.com.libproxy.temple.edu/content/21/4/451.full.pdf+html>
18. "The Impact of Criminal Mobility on Land Prices: A Theoretical View" (with J. Weinblatt), International Journal of Social Economics, vol. 1 1/2, 1984: 24-30.
<http://www.emeraldinsight.com.libproxy.temple.edu/doi/pdfplus/10.1108/eb013954>
19. "The Natural Rate of Crime by Type of Community", (co-author), Review of Social Economy, Vol. 43 (2), Oct, 1985: 245-259.
20. "A Micro Model of the Criminal's Locational Choice", (co-author), Journal of Urban Economics, vol. 22(2), 1987: 198-208.
21. "The Effects of Community Size on the Mix of Private and Public Use of Security Services", (co-author), Journal of Urban Economics, vol. 22(2), 1987: 230-241.
22. "The Difference between Short and Long Run Effects of Police Outlays on Crime" (co-author), American Journal of Economics and Sociology, vol. 48 (2), April 1989): 177-191. (Lead Article).
23. "The Effects of Criminal Experience on the Incidence of Crime" (co-authored), American Journal of Economics and Sociology, vol. 49 (1), January 1990: 1-12. Lead article.
24. "Casino Gambling as a "Growth Pole" Strategy, and its Effect on Crime (co-authored), Journal of Regional Science, vol. 29 (4), (Nov.), 1989:615-624.
25. "Do Casinos Enhance Crime? (With A. Buck), Journal of Criminal Justice, vol. 17, (5) (Sept.) 1989: 409-416. Reprinted in Kathryn Hashimoto, 1996. Introduction to Casino Management, Kendall/Hunt Publishers: 463-469.
http://isc.temple.edu/economics/wkpapers/casino_crime.pdf and
<http://www.icpsr.umich.edu/icpsrweb/NACJD/studies/9237?paging.startRow=1&geography=Atlantic+City> or http://isc.temple.edu/economics/wkpapers/casino_crime.pdf Also,
https://www.academia.edu/18579101/Do_casinos_enhance_crime
26. "An Economic Model of Social Sensitivity: The Case of Individual Criminal Behavior", (Co-authored), Journal of Quantitative Criminology, vol. 5 (4), Dec. 1989: 353-372.
http://isc.temple.edu/economics/wkpapers/social_sensitivity.pdf
27. "Learning by Criming: Theoretical Analysis and Empirical evidence" (co-authored), Public Finance/Finances Publiques, vol. 45(1), 1990: 59-69.
28. "What Should the Community Know About Alarm Systems?", Security

Journal, vol. 1 (2), 1990.

29. "Casino, Crime, and Real Estate Values: Do they relate?" (Co-authored), Journal of Research in Crime and Delinquency, Vol. 28 (3), 1991: 288-303.
http://isc.temple.edu/economics/wkpapers/crime_RE-value.pdf
30. "A Critical Review of Macro Models for Road Accidents" (co-authored) Accident Analysis & Prevention, Vol.23 (5), 1991: 379-400 (special issue).
[http://vv4kg5gr5v.scholar.serialssolutions.com.libproxy.temple.edu/?sid=google&aunit=S&auplast=Hakim&atitle=A+critical+review+of+macro+models+for+road+accidents&id=doi:10.1016/0001-4575\(91\)90058-D&title=Accident+analysis+and+prevention&volume=23&issue=5&date=1991&spage=379&issn=0001-4575](http://vv4kg5gr5v.scholar.serialssolutions.com.libproxy.temple.edu/?sid=google&aunit=S&auplast=Hakim&atitle=A+critical+review+of+macro+models+for+road+accidents&id=doi:10.1016/0001-4575(91)90058-D&title=Accident+analysis+and+prevention&volume=23&issue=5&date=1991&spage=379&issn=0001-4575)
31. "A Von-Thunen Model of Crime, Casinos and Property Values in New Jersey" (co-authored), Urban Studies, Vol.28 (5), 1991: 673-686. (Lead article).
<http://isc.temple.edu/economics/wkpapers/vonThunen.pdf> Also,
https://www.academia.edu/18438763/A_Von_Th%C3%BCn_Model_of_Crime_Casinos_and_Property_Values_in_New_Jersey
32. "Suburban Burglaries, Alarms, and Loss Exposure" (co-authored), CPCU Journal, Vol. 45 (2), June 1992: 98-107.
33. "Learning by Criming and Learning by Policing: Who Learns More?" Public Finance/Finances Publiques, (co-authored), vol.47 (2), 1992: 173-184. (Lead article).
34. "Endogenous Crime Victimization, Taxes and Property Values" Social Science Quarterly (With Buck, and Spiegel), Vol. 74, (2), June 1993: 334-338.
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35. "Are Discounts on Homeowners' Premiums for Burglar and Fire Alarms Effective to Insurers?" (Co-authored), CPCU Journal, vol. 46 (2), June 1993: 107-111.
36. "The Delphi Process as a Tool for Decision Making: The Case of Vocational Training of People with Handicaps" (with J. Weinblatt), Evaluation and Program Planning, vol. 16 (1), January 1993: 25-38.
http://www.sciencedirect.com/science?_ob=ImageURL&_cid=271855&_user=1543922&_pii=0149718993900346&_check=y&_origin=&_coverDate=31-Mar-1993&_view=c&_wchp=dGLzVlk-zSkWb&_md5=1609cd4ad6e2ae96be707de28889211a/1-s2.0-0149718993900346-main.pdf

37. "Burglar Alarms and the Choice Behavior of Burglars: A Suburban Phenomenon" (with A. Buck and G. Rengert), Journal of Criminal Justice, Vol. 21 (5), October 1993: 497-507.
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38. "Using the Delphi Process to Analyze Social Policy Implementation: A Post Hoc Case from Vocational Rehabilitation" (co-authored), Policy Sciences, vol. 26 (4), 1993: 271-288. (Lead article).
http://isc.temple.edu/economics/wkpapers/Delphi_Policy_Sci/Delphi_Policy_Sci.pdf
39. "An Analysis of Telephone Company Entry into Unregulated Markets: The Electronic Security Case", (co-authored), Anti Trust Bulletin, 39 (3), fall 1994: 727-752.
http://heinonline.org/HOL/Page?handle=hein.journals/antibull39&div=30&g_sent=1&collection=journals
40. "Burglar and Fire Alarms: Costs and Benefits to the Locality", American Journal of Economics and Sociology, vol. 54 (2) April 1995: 145-161.
41. "Social Cost Benefit Analysis of Commercial and Residential Burglar and Fire Alarms", J. of Policy Modelling, vol. 18 (1) February 1996: 49-67.
42. "A Social Cost Benefit Analysis of Residential Alarms", Justice Quarterly, vol. 13 (1), April 1996: 153-170.
43. "Costs and benefits of alarms to the community: burglary patterns and security measures in Tredyffrin Township, Pennsylvania", Invited article. Security Journal, vol. 6. 1995: 197-204. Reprint at Robert D. McCrie (editor), 2002. **Readings in Security Management: Principles and Practices**, ASIS Foundation International: 311-319.
44. "Spatial and Temporal Attributes of Commercial Burglaries", American Journal of Economics and Sociology, vol. 55 (4), October, 1996: 443-456.
45. "The Use of Household Survey Data: The Probability of Property Crime Victimization" (co-authored). J. of Economic and Social Measurements, vol.24 (1), 1998: 1-13 (Lead article). Reprint in: http://209.68.240.11:8080/2ndMoment/994725313/index_html Also, U of Penn CARESS Working Paper 97-07
<http://economics.sas.upenn.edu/sites/economics.sas.upenn.edu/files/97-07.pdf>
46. "Burglary in Affluent Communities: A Planning Perspective", Reducing Crime through Real Estate Development and Management, (with G. Rengert), Urban land Institute, Washington D.C., 1998: 39-52.
47. "Target Search of Burglar: A Revised Economic Model", Papers in Regional Science, (with G. Rengert and Y. Shachmurove), Vol. 80, May, 2001: 1-17 (Lead article). Also, U of Penn CARES Economics Working Paper 00-14.

<http://link.springer.com/article/10.1007/PL00013617>

<http://economics.sas.upenn.edu/sites/economics.sas.upenn.edu/files/00-14.pdf>

48. “The Economics of Crying Wolf”, (with Blackstone and Spiegel), The Milken Institute Review: A Journal of Economic Policy, May 2001: 40-46.
http://www.milkeninstitute.org/publications/review/2001_6/40-46.pdf
49. “Not Calling the Police (First)” (with E. Blackstone), Regulation, spring 2002: 16-19.
<http://www.cato.org/pubs/regulation/regv25n1/v25n1-1.pdf> Also,
https://www.academia.edu/18594318/Not_Calling_the_Police_First
50. “Vandalism of Vending Machines: Factors that Attract Professionals and Amateurs”, (Co-authored), in Journal of Criminal Justice, vol. 31 (1), 2003: 85-95.
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51. “A Market Alternative to Child Adoption and Foster Care”, in The Cato Journal, (with E. Blackstone), Vol. 22 (3), winter, 2003: 485-494.
<http://www.catojournal.org/pubs/journal/cj22n3/cj22n3-6.pdf>
<http://object.cato.org/sites/cato.org/files/serials/files/cato-journal/2003/1/cj22n3-6.pdf>
52. “Evaluation of Alternative Policies to Combat False Emergency Calls”, in Evaluation and Program Planning. (With Blackstone, and Buck), vol. 28 (2), May 2005: 233-242.
<http://isc.temple.edu/economics/wkpapers/Pubs/FalsePolicy.pdf>
53. “Privatizing adoption and foster care: Applying auction and market solution”, in Children and Youth Services Review. (With Blackstone, and Buck), vol. 26 (11), 2004: 1033-1049. <http://isc.temple.edu/economics/wkpapers/Pubs/adoption.pdf>
54. “Determinants of Airport Choice in a Multi-Airport region”, in Atlantic Economic Journal. (With Blackstone and Buck), vol. 34 (3), September 2006.
<http://www.springerlink.com/content/373880300j386027/>
55. “The Disturbance Model and Congestion in Emergency Response,” (With E. Blackstone, A. Buck, and U. Spiegel) in The Manchester School. Vol.75 (1), January 2007:104-121.
<http://ajbuckeconbikesail.net/wkpapers/Alarms/Disturbance%20and%20Congestion.pdf>
56. “Funding the Local War on Terror: Dollars in Plain Sight”, in the Milken Institute Review: Journal of Economic Policy, (with E. Blackstone and A. Buck), January, 2007: 46-56. http://www.milkeninstitute.org/publications/review/2007_1/46-56mr33.pdf
57. “Market Segmentation in Child Adoption”, International Review of Law and Economics, (With Blackstone, Buck, and Spiegel), vol. 28 (2008): 1-16.

http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6V7M-4SRW141-1&_user=1543922&_rdoc=1&_fmt=&_orig=search&_sort=d&_docanchor=&_view=c&_acct=C000053639&_version=1&_urlVersion=0&_userid=1543922&md5=ba8d16d3efd85939090672fb0adb3fd0 Also,

https://www.academia.edu/18579099/Market_segmentation_in_child_adoption

58. “Economics of Emergency Response”, *Policy Sciences*, (With Blackstone and Buck), vol. 40, 4, 2007: 313-334.
<http://www.springerlink.com/content/ww44x45527352345/fulltext.pdf>
59. “A Multivariate Poisson Model of Consumer Choice in a Multi-Airport Region”. *IBusiness*, (with A. Buck and E. Blackstone), vol. 1 (2), 2009: 85-98.
www.scirp.org/journal/ib
60. “Privatizing the Police”. *Milken Institute Review: Journal of Economic Policy*, (with E. Blackstone), vol. 12 (3), 3rd Quarter, 2010: 54-61.
http://www.milkeninstitute.org/publications/review/2010_7/54-61MR47.pdf
61. “Competition versus Monopoly in the Provision of Police”. *Security Journal*, vol. 26 (2), April 2013: 157-179.
<http://www.palgrave-journals.com/sj/journal/v26/n2/pdf/sj20125a.pdf>
62. “Differentiation in Police Services in City Neighborhoods” (with Tavor, Spiegel, and Blackstone). *Managing Global Transitions*, 12 (4), winter, 2014: 347-369.
http://www.fm-kp.si/zalozba/ISSN/1581-6311/12_347-369.pdf
63. “A Regional, Market Oriented Governance for Disaster Management: A New Planning Approach” (with Blackstone and Meehan). *Evaluation and Program Planning*, Vol. 64, Oct. 2017: 57-68.
<https://reader.elsevier.com/reader/sd/B7D873D5195DD6914B1FC7B82CB96122B0A8C8DB86FE58DA36C47CBB1AD6652E426F2DC76F21368F5694EDBA67850A44>
64. “Privatization and subsidization of adoption services from foster care: Empirical evidence” (with Deutsch, Spiegel and Sumkin). *Children and Youth Services Review*, vol. 78, July 2017: 9-17.
<https://reader.elsevier.com/reader/sd/E6DC9194BC21064626066FE2475FE851DDA4345386F8DAB011E76B14612CA610E8D62C097D9CC3A9E8E03298A0E98582>
65. “Protecting Water and Wastewater Utilities from Cyber-Physical Threats” (with Robert Clark, and Srinivas Panguluri). *Water and Environment Journal* (Wiley),
<https://onlinelibrary.wiley.com/doi/epdf/10.1111/wej.12340>

Refereed Monographs

Police Services: The Private Challenge. Independent Institute Policy Report, Independent Institute, Oakland, Ca. (with E. Blackstone), 1996.

http://www.independent.org/publications/policy_reports/detail.asp?type=full&id=10

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Prison Break: A New Approach to Public Cost and Safety. Independent Institute Policy Report, the Independent Institute, Oakland, Ca. (with E. Blackstone), June 2014.

http://www.independent.org/pdf/policy_reports/2014-06-30-prision_break.pdf

Edited Books

See details on books starting 1992 <http://www.fox.temple.edu/ccg/publications.html>

1. Crime Spillover (with G. Rengert), Sage Publications, special series in criminology, 1981, (Hard, and paperback editions).
2. Metropolitan Crime Patterns (with Figlio and Rengert), Criminal Justice Press, 1976.
3. Privatizing the United States Justice System (with Bawman, and Seidenstst), McFarland and Company, Publishers, Jefferson, North Carolina, 1992.
4. Privatizing Correctional Institutions (with Bowman, and Seidenstat), Transaction, Rutgers University Press, 1993.
5. Privatizing Education and Educational Choice (with Bowman, and Seidenstat), Praeger Publishers, 1994.
6. Privatizing Transportation Systems. With Bowman, and Seidenstat, Praeger Publishers, 1996. Translated to Chinese-Mandarin, 2005.
7. America's Water and Wastewater Industries: Competition and Privatization. (With Paul Seidenstat and Michael Nadol). Public Utilities Reports, Vienna, Virginia, 2000.
8. Making Government Work: Lessons from America's Governors and Mayors, (with Paul Andrisani, and Eva Leeds) Rowman and Littlefield, Publishers, Lanham Maryland, 2000.
9. Restructuring Education: Innovations and Evaluations of Alternative Systems. (with Daniel Ryan and Judith Stull), Praeger Publishers, 2000.

10. Reinventing Water and Wastewater Systems: Global Lessons for Improving Water Management, (With P. Seidenstat and D. Haarmeyer), John Wiley and Sons, 2002.
11. The New Public Management: Lessons from Innovating Governors and Mayors, (with Paul Andrisani and E.S. Savas), Kluwer Academic Publishers, 2002.
<http://www.wkap.nl/prod/b/1-4020-7117-5>.
12. Innovations in Electronic Government: The Thoughts of Governors and Mayors (with E. Blackstone, and M.Bognanno). Rowman& Littlefield Publishers, Lanham, Maryland.
<http://www.fox.temple.edu/ccg/publications>. October, 2005.
13. Management Innovation in U.S. Public Water and Wastewater Systems (with D. Kaplan, M. Nadol, and P. Seidenstat). John Wiley & Sons Inc. Hoboken, New Jersey. Sponsored by the American Water Works Association.
<http://www.fox.temple.edu/ccg/publications.html> April 2005.
14. Safeguarding Homeland Security: Governors & Mayors Speak Out (with Erwin A. Blackstone), Springer Publisher, New York, New York, 2009. Authored chapter 1 on the Role of the Private Sector in Homeland Security: 1-22.
<http://www.springer.com/business+%26+management/business+for+professionals/book/978-1-4419-0370-9>
15. Handbook of Water and Wastewater Systems Protection, (with Robert Clark and Avi Ostfeld), Springer, September, 2011.
http://www.springer.com/social+sciences/political+science/book/978-1-4614-0188-9?cm_mmc=event- -bookAuthor- -congratulation- -0&cm_mmc=EVENT- -BookAuthorEmail- -
16. Securing Water and Wastewater Systems: A Global Prospective, (with Robert Clark), Springer, 2014.
<http://www.springer.com/environment/pollution+and+remediation/book/978-3-319-01091-5>
17. Securing Transportation Systems, (with Gila Albert and Yoram Shiftan). John Wiley and Son, June 2015. <http://www.wiley.com/WileyCDA/WileyTitle/productCd-1118977939.html>
18. Cyber-Physical Security, (with Robert Clark), Springer, 2016.
<http://link.springer.com/book/10.1007%2F978-3-319-32824-9>

Authored Books

Securing Home and Business: A Guide to the Electronic Security Industry. (With E. Blackstone), Butterworth-Heinemann Publishers, Boston, MA. 1996.

http://books.google.com/books?id=6Ifx9CEV2DcC&printsec=frontcover&hl=zh-CN&source=gbs_ge_summary_r&cad=0#v=onepage&q&f=false

Series Editor for Praeger Publisher (1997-2003)

Privatization and Competition in Telecommunications: International Developments. Daniel Ryan (ed.), 1997.

Smart Contracting for Local Government Services-Processes and Experience. Kevin Lavery (ed.), 1999.

Contracting Out Government Services. Paul Seidenstat (ed.), 1999.

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Privatization and restructuring of Electricity Provision. Daniel Czamanski (ed.), 1999.

Privatizing Toll Roads: A Public-private Partnership. Wendell C. Lawther, 2000.

General Editor for Praeger Publishers

Kids Raised by the Government. Ira Schwartz and Gideon Fishman (eds.), 1999. Justice for All? Arye Rattner, and Gideon Fishman, 1998. Post Imperialism and World politics, David Becker and Richard Sklar, 1999. Vera Kraus, Secondary Breadwinners, 2002. William Stull and Nicholas Sanders, The School-to-Work Movement: Origins and destinations, 2003.

Series Editor for Springer Publisher (2008-)

Protecting Critical Infrastructures (with Erwin Blackstone).

Contributions to Edited Books

A "Geo-Economic Approach to the Distribution of Crimes in Metropolitan Areas" (With E. Erez), in William H. Parsonage (ed.) Perspectives on Victimology, Sage Publications, 1979, pp. 29-47 (also printed in paperback edition).

"Crime Deterrence in Urban, Suburban and Rural Communities" (co-author), in Proceedings of the 13th Annual Pittsburgh Conference of Modeling and Simulation, fall 1982.

"Burglary in Affluent Housing: A Planning perspective" (with G. Rengert), in Reducing Crime Through Real estate Development and Management. Urban Land Institute 1998.

"Crime Mobility" and "Suburban Crime", in Encyclopedia of Urban America: The Cities and Suburbs, Neil L. Shumsky (Editor), ABC-CLIO Publishers, Santa Monica, California, 1998: 219-220, 753-754.

"Private Policing: Experiences, Evaluation, and Future Direction", 2010 (with E. Blackstone), in Bruce Benson and Paul Zimmerman (editors), **Handbook on the Economics of Crime**, Edward Elgar Publisher, Northampton, MA. Chapter 15: 359-377. (October)

Introductory chapter to **Securing Transportation Systems** by Simon Hakim et al (editors), John Wiley and Son, 2015. http://media.wiley.com/product_data/excerpt/39/11189779/1118977939-10.pdf

Non-Refereed Security Publications

"Inequality Constraints, Multicollinearity and Models of Police Expenditure" (joint with A. Buck), in Proceedings of the Criminal Justice Statistics Association, February, 1979, pp. 51-61.

"A Unified Approach to the Analysis of Crime Related Data and Subsequent Modeling" (joint with A. Buck), in Proceedings of the Criminal Justice Statistics Association, August 1979, pp. 200-211.

"The Effects of Casino Gambling in Atlantic City on Crime", (with J. Friedman) Casino Gaming, May 1987.

"Burglar Alarms in the Community". The Bellringer, March 1989. Reprinted in Alarm Installer and Dealer, Vol. 11, No. 3, 1989, Security Line., The Security Alert, Vol. 8 No. 1, 1989, Business Insurance, July 10, 1989. Parts of the articles were reprinted in International Police Chiefs Magazine, Security Distribution & Marketing, Canadian Security, News and Views of the National F&B Alarm Association. Security Signal of the New York F&B Alarm Assoc. October, 1989.

"Do Burglar Alarms Deter?" (With A. Buck and M. Porat), National Underwriter, Number 32
 "Does Crime Affect Property Values?" (With A. Buck) 1989. The Canadian Appraisal, Vol. 33, Number 4:23-27.

"Burglar Alarms: What do we know about them?" (With A. Buck) 1990. Security Journal, Vol.1, Number 2:101-108.

"The Effect of Street Crime on Property Values" (With A. Buck) 1990. Journal of Property Taxation, Vol.1, and Number 3:199-211.

"Are Property Values Being Adversely Affected by Crime?" (With A. Buck). Journal of Valuation & Investment, Vol. 9, Number 1, autumn 1990: 37-44.

A series of seven articles in SDM Magazine

"*What Makes a Good Burglary Site*", (pp.88-89), April 92.

"*Proof that Alarms Really Work*", (pp. 78-79), June 92.

"*Alarm System Sales: Who Buys, Who Doesn't*" (pp.74-75), July 92.

"*Alarm Buyers Shop for Quality*", (pp.112-113), August 92.

"*Profile of a Commercial Burglary*", (pp.68-70), October 92.

"*Business Security: What Prompt a Sale*", (pp.76-78), December 92.

"*Security Systems Cut Business Burglary Risks*", (pp. 79-80), April 93.

"*Economically Speaking, A False Dispatch Should Carry a Fee*", November 1995: 49.

"*Numbers Do the Talking: Alarms are Effective*", February 1996: 57.

"*An Economic False Alarm Solution: Let Dealers Collect Fines*", May 1996: 57.

"*Are Insurance Discounts Effective*", August 1996: 87.

A series of articles in Locksmith Ledger International

"*Should Locksmiths Enter the Alarm Industry more Aggressively?*" (with M. Gaffney), January 1994, pp. 24-29.

"*The Anatomy of a Suburban Commercial Burglary*" (with M. Gaffney), February 1994, pp. 92-94.

"*Risk Assessment for Commercial Burglary*" (with M. Gaffney), March 1994.

"*Profile of a Commercial Alarm Owner*" (with M. Gaffney), April 1994: 78-80.

"*The Structure of the Installers Market*" (with M. Gaffney), May 1994: 44-56.

"*Controlling False Alarms*", June 1994: 67-70.

"*Alarm Owner Satisfaction*", July 1994: 72-80.

"*Commercial Alarm Effectiveness*," (with M. A. Gaffney), August 1994: 96-100.

"*Insurance and Alarm Installation*", (with M. A. Gaffney) September 1994, pp. 72-78.

"*Variances in National Alarm Ordinances*," (with M.A. Gaffney), October 1994: 120-123.

"*False Alarms: Fines, Effects and Solutions*," (with M. A. Gaffney), November 1994: 44-49.

"*Central Station Operation*," (With M.A. Gaffney), December 1994: 29-33.

"*Residential Burglary Patterns*", (with M. A. Gaffney), February, 1995: 66-90.

A Series of articles in Security Dealer

"*The Residential Security System/Homeowners' Insurance Discount Connection*" (with A. Buck, and M.A. Gaffney), April, 1993: 28-33.

"*Substantiating Effective Security*"(with M.A. Gaffney), August 1994: 148-157.

"*The Structure of the Security Industry*" (with M.A. Gaffney), December, 1994: 40-43.

"*Applying Planning Theory to False Alarm Reduction*" (with M.A. Gaffney), January, 1995: 78-88.

"*Breaking Open A Larger Residential Market*", May, 1995: 48-52.

"*Outside Attraction: Economics and Cost Determine the Financial Viability of the Industry*", (with E. Blackstone), August 1995 102-108.

"*A Private Answer to a Public Nuisance*", (with E. Blackstone), August, 1995: 90-94.

"*Canvassing the Neighborhood: A Comparative Analysis of Alarm Ordinance Activities from the Six Cities Case Study*", (with E. Blackstone), February, 1996:46-56.

"*Keeping a Watchful Eye: On the Cost of Response to False Alarm*", August 1996: 102-108.

"*Marketing Alarms: New Realities, New Strategies*", (with E. Blackstone), October, 1996: 56-61.

"*Start Up of a Central Station: Is it Economically Desirable?*" (with E. Blackstone), August 1997: 138-142.

"*Using a Model to Determine Burglary by Specific Home Attributes*", January 1998: 106-109.

"*Seeing Is Believing: Using an Economic Tool to Improve the marketing of Alarms on the Internet*", August 1998: 116-122.

Other Magazines:

"*RBOC Entry to the Alarm Industry: Fact or Fantasy?*" Security Technology and design, August 1994: 66-71.

"*Private Guard Response to Alarm Activation*", Security Technology and Design, April 1995: 54-55.

"*Privately Managed Prisons Go Before the Review Board*", American City & County, (with E. Blackstone) Vol. 111 (4), April 1996: 40-50.

"*Crying wolf with Public Safety*", American City & County, (with E. Blackstone), Vol. 111 (10), August 1996: 54-64.

"*Private Ayes: A Tale of Four Cities*", American City & County, Vol. 112, (2), February 1997: PS4-PS12.

"*How burglars think*", Moneysworth, Vol. 2 (9), September, 1996: 7-8.

"*Burglar Alarms Are Proven Beneficial to Localities*" (with A. Buck), Security Sales, July 1993, (pp.50-56).

"*Entrepreneurship Flourish in the Alarm Industry*", Security Sales, August 1997: 114-118.

"*Making Inroad in Private Highway Construction*", American City & County Magazine, (with E. Blackstone), August 1999: 52-56.

http://americacityandcounty.com/ar/government_making_inroads_private/index.htm

"*A Market Solution to False Alarms*" (with E. Blackstone), Privatization Watch, November 2002, Number 311: 3, 9.

"*It takes a village*", American City & County Magazine, (with E. Blackstone), March 2010: 40-43. http://americacityandcounty.com/pubsafe/emergency_response/major-disaster-planning-201003/index1.html

Non-Referred General Publications

Problems in the Evaluation of Transportation Systems, Center for Urban SDM and Regional Studies, Technion, I.I.T. (Monographs Series No. 13), 1974. (In Hebrew with summary in English.) (109 pages).

Privatization of Alcohol Beverage Distribution in Pennsylvania (with A. Buck), The Commonwealth Foundation, Harrisburg, PA. July 1991.

<http://ajbuckeconbikesail.net/wkpapers/alcohol/COMMON.html>

Residential Security: The Hakim-Buck Study (with A. Buck), Pennsylvania Burglar and Fire Alarm Association, and the Alarm Industry Research and Educational Foundation, May 1991.

Commercial Security: Burglary Patterns and Security Measures (with M. A. Gaffney). Security Industry Association, Washington, D.C., February 1994.

Making Government Work: Best Practices in Competitive Government, Conference Proceedings. Center for Competitive Government, 2001.

Securing Suburban Homes: The Greenwich Connecticut Case. Alarm Industry research and Education Foundation, Washington, D.C., 1995.

“A Market Solution to False Alarms”, Privatization Watch, The Reason Foundation, November 2002. <http://www.rppi.org/marketsolutionstofalsealarms.html>

Other Publications

Study for Tourist and Recreation Centers in the Tel-Aviv and Jaffa Harbors, (with Y. Kaplan). Submitted to the City of Tel-Aviv Jaffa, 1969 (94 pages).

Commercial Land Use Plan for Tel-Aviv Shoreline. Submitted to the City of Tel-Aviv Jaffa, 1970.

Evaluation of Alternative Routes for a Road along the Tel-Aviv Shoreline (co-author). Submitted to the City of Tel-Aviv Jaffa as a report of Seker, Consulting Engineers, 1969 (69 pages).

Master Plan of a Regional Public Service Center in the Lower Galilee (co-author). Israel Department of Housing, 1970.

Feasibility Study for a Medical Center for Respiratory Diseases in Arad near the Dead Sea. Israel Department of Tourism, 1971.

Feasibility Study for an Apartment-hotel in Herzlia. Submitted to the City of Herzlia, 1971.

The Value of Salt Water for Recreation. Prepared under Tahal Consulting Engineers, Israel.

Evaluation of Transportation Projects, Government Study center, University of Pennsylvania 1973 (83 Pgs).

Philadelphia Bicentennial: Preliminary Environmental Impact Assessment. Submitted to the City of Philadelphia as a report of Simpson and Curtis Transportation Engineers, 1973 (752 pages).

"Protection of the Environment," (66 pages) in the Application for a Mass Transportation Capital Improvement Grant for Six SEPTA Projects. Submitted by the City of Philadelphia to U.S. DOT, UMTA, 1974.

Draft Environmental Impact Assessment for the Proposed BARTA Maintenance/Administration Facility, Berks County, and Pennsylvania. Submitted as a report of Simpson and Curtis Transportation Engineers, 1975 (62 pages).

Environmental Impact Assessment for Two Fringe Park-n-Ride Facilities in the Philadelphia S.M.S.A. Submitted to U.S. DOT, FHWA, and PA. DOT, 1975 (2 reports: 86 pages, 62 pages).

Environmental Impact Assessment Section of the Montgomery, Alabama: 201 Facilities Plan (49 pages). The full report was submitted by J.B. Converse and Company, Mobile, Alabama, 1979.

Development of Recreational, Small Boat harbors on the Coast of Lake Erie in the Vicinity of Cleveland, Ohio. Submitted to the U.S. Corps of Engineers as a report of Betz-Converse-Murdoch,

Analysis of fees and charges for recreational facilities. Part of a report of a project on Needs Assessment and Marketing Analysis of Leisure Services in Philadelphia. Submitted to the City of Philadelphia, Department of Recreation, 1983.

Development of success indices for new and existing settlements. A study prepared for The Research Settlement Institute, Rehovot, Israel.

Evaluation of funding sources for transit deficit. Part of study prepared by Abrams-Cherwany and Associates. Submitted to the Peninsula Transportation District, Virginia, 1983.

Measurement of Success of Rehabilitation Centers. A study for the U.S. Department of Labor by the Developmental Disabilities Center at Temple University, 1984-1987.

The Vocational Rehabilitation Systems in Israel and the U.S., Special Education and Rehabilitation, Inaugural Issue, vol. 1, no. 1, July 1985: 64-154. In Hebrew pp: 1-114.

Barriers to the Employability of the Handicapped: A cross-cultural Study, A final report submitted to U.S. DOL, March 1987.

Residential Security: The Hakim Buck Study, Alarm research and Education Foundation. Distributed by the National Burglar and Fire Alarm Association, Washington DC. February 1991.

Commercial Security: Burglary Patterns and Security Measures. Metrica Inc. Distributed by Security Industry Association, Washington, DC., January 1994.

Recent Grants received

Alarm Industry Research and Education Foundations. Two grants to analyze the effectiveness of burglar and fire alarms, 1991, 1994. (One with A. Buck)

The City of Philadelphia, Bureau of Administrative Adjudication. Two grants to review false alarm practices and to analyze Philadelphia's practices). (With E. Blackstone), 1995, 1996.

Price Waterhouse Coopers. A grant to organize a conference of mayors. (With P. Andrisani), 1999. (Originally \$20K but raised to approx. \$35K)

Philadelphia airport. A contract to conduct intercept surveys at the airport, telephone surveys, and analysis of results. (With A. Buck and E. Blackstone), 1999. (\$256K a year).

Analysis of state and private prisons costs and performance, conducted for CCA, GEO Group, and MTC Trains Corporations, 2012-2013 (with Erwin Blackstone).

Direct and indirect cost imposition of apartment buildings on municipal services for the City of Newark, Delaware (with Andrew Buck).

Conducted much research and consulting projects to governments, private corporations, law firms, and academic publishers. Details will be provided upon request. Examples include the U.S. National Institute of Justice, U.S. Department of Labor, the Army Corp of Engineers, Israeli Ministries of Tourism, housing and Urban Development, Labor and Welfare, the City of Philadelphia, the Commonwealth Foundation, Coca Cola USA, Alarm Industry Research and Education Foundation, the PA Burglar and Fire Alarm Association, ADT, Somerica, the private prisons industry..

Recently Delivered Papers in Conferences

Keynote address and a paper on Public-Private Partnerships and Homeland Security, Mayors' Summit on Homeland Security, Oakland CA. October 15-17, 2008.

Introducing Incentives for Private Involvement in Homeland Security Efforts, Northeast Business Economists Association, State College, PA October 30-November 1, 2008.

Evaluation of private policing in the US. Invited paper for a symposium on economics of crime. University of Florida, Tallahassee, FL. March 26-28, 2009.

Public Private Partnerships in the Provision of Regional Homeland Security Services (with E. Blackstone), North American Regional Science Association International, San Francisco, CA, November 19-21, 2009,

Invited for four 2-hours seminars on privatization and PPP of state and local services in the areas of security, transportation, social services. Beijing Jiaotong University, Beijing, China, March 7-March 11, 2010.

Invited to present a paper on Private Security vs. Public Police at the Global Cities Dialog, Mayors' Summit, Cologne, Germany, February 21, 22, 2011.

Invited for 4 2-hours seminars on evaluation of public programs and privatization, Beijing Jiaotong University, Beijing, China, May 11- May 22, 2012.

"Securing in the Urban Space: Exploring Private Alternatives." International Conference on Private Communities and Urban Governance: Theoretical and Comparative Perspectives. Interdisciplinary Center, Herzliya, Israel. See, <http://gazit-globe.idc.ac.il/en/event/international-conference-private-communities-and-urban-governance-theoretical-and-comparati>

Recently Organized Conferences. See www.fox.temple.edu/ccg/conferences.html

Conference of Mayors, sponsored by the **Center for Competitive Government** of Temple University and the National League of Cities, and funded to us by a grant from PWC, hosted by Mayor Giuliani. May 8-9, 2000 in Gracie Mansion and the Grand Hyatt Hotel in NYC (organized with P. Andrisani).

Conference of Mayors and CEOs, sponsored by the Center for Competitive Government, the City of New York, and the New York Stock Exchange (With Paul Andrisani). Funding was made available from corporate sources and Ambler Campus. We raised \$95,000 for the event. June 26, 27, 2001 in NYC's Office of Emergency Management, Gracie Mansion, and the Board Room of NYSE.

"Mayor's Technology Summit on Homeland Security and Economic Development", sponsored by CCG and hosted by Mayor Willie Brown of San Francisco, July 17-18, 2003. Funded by \$190,000 raised from IT companies. See, <http://www.fox.temple.edu/ccg>.

"Mayors' Technology Summit on Homeland Security and Public Safety", sponsored by CCG and hosted by Mayor Anthony Williams of Washington, D.C., October 7-8, 2004. Funded by technology and telecommunications corporations at \$163,300. See, <http://www.fox.temple.edu/mts2004>.

"Mayors technology Summit on HLS and Public Safety", sponsored by CCG and Hosted by Mayor Ronald V. Dellums, Oakland CA. October 15-17, 2008. Funded by IT companies for \$145,000.

"The Digital City", Mayors and CIOs Summit organized by CCG and hosted by Mayor Nutter and the City of Philadelphia, October 4-5, 2010. Funded by IT companies for \$210,000.

Mayors Innovations Summit, May 22-24, 2013. Organized in cooperation with the City of Philadelphia, and the US Conference of Mayors.

For all Summits see: <http://www.fox.temple.edu/conferences.html>

Theses

Spatial and Temporal Relationship of Property Crime, Police Expenditure and Suburban Development, Ph.D. dissertation, University of Pennsylvania, Philadelphia 1976.

Problems in the Evaluation of Transportation Systems, Master's thesis. Technion I.I.T. 1975.
Factors in the Location of Oil Refineries, BA thesis, The Hebrew University, Jerusalem 1968.

Referee for the following periodicals

Journal of Public Economics, Eastern Economic Journal, Journal of Criminal Law and Criminology, Criminology, Southern Economic Journal, Land Economics, Journal of Quantitative Criminology, The Annals of Regional Science, Social Science Quarterly, Journal of Regional Science, Journal of Public Finance.

Teaching

Undergraduate

Principles of Microeconomics
 Principles of Macroeconomics
 Introduction to Economics
 Intermediate Microeconomics
 Urban Economics
 Quantitative Methods in Planning
 International Economics
 Math for Economics and Econometrics,
 International Business
 Planning and Evaluation of Public Programs
 Introduction to Regional Science
 Economics of Crime and Security
 Economics and Management of Privatization
 Topics in Managerial Economics

Graduate

Microeconomics
 Urban Economics
 Regional Economics
 Economics of Privatization and Public-Private Partnerships
 Evaluation of Public Programs
 Ph.D. seminar in Economics Managerial Economics