Stanford



Warren Hausman

Professor of Management Science and Engineering, Emeritus

Curriculum Vitae available Online

Bio

BIO

Professor Hausman performs research in operations planning and control, with specific interests in supply chain management. Most of his contributions are based upon quantitative modeling techniques and emphasize relevance and real world applicability.

He has recently studied how RFID technology can revolutionize the management of supply chains. He has investigated the value of RFID applications in retail environments, in logistics, and in manufacturing and assembly operations. He has also studied how Supply Flexibility in retail supply chains affects a company's financial performance and market capitalization.

He is an active consultant to industry and is involved in numerous executive education programs both at Stanford and around the world. He was the founding director of a two-day executive program on Integrated Supply Chain Management held semi-annually in Palo Alto, California from 1994 to 2003. His consulting clients represent the following industries: general manufacturing, electronics, computers, consumer products, food & beverage, transportation, healthcare, and high technology. He is also a co-founder of Supply Chain Online, which provides web-based corporate supply chain management training. He serves on the technical advisory boards of several Silicon Valley startups. He has also served as an Expert Witness for litigation involving operations management

In 1994 he was elected President of the Operations Research Society of America (ORSA). He has also served on the Board of the Institute for Operations Research and the Management Sciences (INFORMS) and on several National Science Foundation Advisory Panels and Committees. He is a Fellow of INFORMS, a Distinguished Fellow of the Manufacturing and Service Operations Management Society, and a Fellow of the Production & Operations Management Society. He has also won several teaching awards, including the Eugene Grant Teaching Award in Stanford's School of Engineering in 1998.

He earned a BA in Economics from Yale and a PhD from MIT's Sloan School of Management.

ACADEMIC APPOINTMENTS

- Emeritus Faculty, Acad Council, Management Science and Engineering

ADMINISTRATIVE APPOINTMENTS

- Department Chair, IE-EM Department, Stanford School of Engineering, (1982-1992)

HONORS AND AWARDS

- Certificate of Teaching Excellence, Executive Development Program, Graduate School of Management, University of Rochester (1976)
- Superior Teaching Award, University of Rochester (1980, 1986, 1990, 1996)
- Faculty Teaching and Service Awards, Department of Industrial Engineering and Engineering Management, Stanford University (1983)
- Eugene Grant Teaching Award, Department of Industrial Engineering and Engineering Management, Stanford University (2002)
- Distinguished Fellow Award, Manufacturing and Service Operations Management Society (2005)
- Fellow, Institute for Operations Research and the Management Science (2005)
- Fellow, Production & Operations Management Society (2007)
- Third Annual Meir Rosenblatt Memorial Lecturer, Meyer Rosenblatt Memorial (2007)
- MS&E Department Teaching Award, MS&E Department, Stanford University (2013)
- Wickham Skinner Award for Best Paper Published in Production and Operations Management during 2013, Production and Operations Management (2013)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- President-Elect, Operations Research Society of America (1994 - 1995)
- Member, ORSA Lanchester Prize Committee (1983 - 1983)

PROFESSIONAL EDUCATION

- PhD, MIT (1966)

Publications

PUBLICATIONS

- **Supply Licensing When the Manufacturer Strategically Commits to Invest in R&D** *NAVAL RESEARCH LOGISTICS*
  Usta, M., Erhun, F., Hausman, W. H.
  2014; 61 (4): 341-350

- **The Impact of Logistics Performance on Trade** *PRODUCTION AND OPERATIONS MANAGEMENT*
  Hausman, W. H., Lee, H. L., Subramanian, U.
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- **A PROCESS ANALYSIS OF GLOBAL TRADE MANAGEMENT: AN INDUCTIVE APPROACH** *JOURNAL OF SUPPLY CHAIN MANAGEMENT*
  Hausman, W. H., Lee, H. L., Napier, G. R., Thompson, A., Zheng, Y.
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- **chapter in Innovative Quick Response Programs in Logistics & Supply Chain Management** *FAST FASHION: Quantifying the Benefits*
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- **The Role of Slotting Fees in the Coordination of Assortment Decisions** *PRODUCTION AND OPERATIONS MANAGEMENT*
  Aydin, G., Hausman, W. H.
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- **Order Progress Information: Improved Dynamic Emergency Ordering Policies** *PRODUCTION AND OPERATIONS MANAGEMENT*
  Gaukler, G. M., Oezer, O., Hausman, W. H.
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- **RFID in mixed-model automotive assembly operations: Process and quality cost savings** *IIE TRANSACTIONS*
  Gaukler, G. M., Hausman, W. H.
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- **How improved forecasts can degrade decentralized supply chains** *M&SOM-MANUFACTURING & SERVICE OPERATIONS MANAGEMENT*
  Miyaoka, J., Hausman, W. H.
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- **Warranty inventory optimization for Hitachi Global Storage Technologies, Inc.** *INTERFACES*
  Khawam, J., Hausman, W. H., Cheng, D. W.
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- **Item-level RFID in the retail supply chain** *PRODUCTION AND OPERATIONS MANAGEMENT*
  Gaukler, G. M., Seifert, R. W., Hausman, W. H.
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- **Optimal procurement strategies for online spot markets** *EUROPEAN JOURNAL OF OPERATIONAL RESEARCH*
  Seifert, R. W., Thonemann, U. W., Hausman, W. H.
  2004; 152 (3): 781-799
- **How a Base Stock Policy Using 'Stale' Forecasts Provides Supply Chain Benefits** *Manufacturing and Service Operations Management*
  Hausman, W., H., Miyaoka, J.
  2004; 6 (2): 149-162
- **chapter in The Practice of Supply Chain Management** *Supply Chain Performance Measures*
  Hausman, Warren, H.
  edited by Billington, C., Harrison, T., Lee, H.
  2003: 1
- **Supply Chain Performance Measures** *The Practice of Supply Chain Management*
  Hausman, Warren, H.
  edited by Billington, C., Harrison, T., Lee, H.
  Kluwer.2003
- **Easy quantification of improved spare parts inventory policies** *MANAGEMENT SCIENCE*
  Thonemann, U. W., Brown, A. O., Hausman, W. H.
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- **Why should marketing and manufacturing work together? Some exploratory empirical results** *JOURNAL OF OPERATIONS MANAGEMENT*
  Hausman, W. H., Montgomery, D. B., Roth, A. V.
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- **Short-term e-procurement strategies versus long-term contracts** *PRODUCTION AND OPERATIONS MANAGEMENT*
  Peleg, B., Lee, H. L., Hausman, W. H.
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- **An exact performance evaluation for the supplier in a two-echelon inventory system** *OPERATIONS RESEARCH*
  Cheung, K. L., Hausman, W. H.
  2000; 48 (4): 646-653
- **Technical note: Mathematical properties of the optimal product line selection problem using choice-based conjoint analysis** *MANAGEMENT SCIENCE*
  Chen, K. D., Hausman, W. H.
  2000; 46 (2): 327-332
- **Mathematical Properties of the Optimal Product Line Selection Problem Using Choice-Based Conjoint Analysis** *Management Science*
  Chen, K., Hausman, Warren, H.
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- **Analisis Cuantitative Para Los Negocios (Spanish Translation of Quantitative Analysis for Management - Ninth Edition)**
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- **Why are Forecast Updates Often Disappointing?** *Manufacturing and Service Operations Management*

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- **Joint demand fulfillment probability in a multi-item inventory system with independent order-up-to policies** *EUROPEAN JOURNAL OF OPERATIONAL RESEARCH*
  Hausman, W. H., Lee, H. L., Zhang, A. X.
  1998; 109 (3): 646-659
- **Chapter in Product Variety Management: Research Advances** *Design for Variety*
  Hausman, W., H., Ishii, K., Martin, M.
  edited by Tang, C., Ho, T.
  Kluwer Academic Publishers.1998: 1
- **Optimal production operations sequencing** *IIE TRANSACTIONS*
  Schraner, E., Hausman, W. H.
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- **Joint determination of preventive maintenance and safety stocks in an unreliable production environment** *NAVAL RESEARCH LOGISTICS*
  Cheung, K. L., Hausman, W. H.
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- **Market Driven Manufacturing** *Journal of Market Focused Management*
  Hausman, W., H., Montgomery, David, B.
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- **Quantitative Analysis for Management**
  Hausman, W., H., Bonini, C., P., Bierman, Jr., H.
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- **DYNAMIC CONTROL OF IMPERFECT COMPONENT PRODUCTION FOR ASSEMBLY OPERATIONS** *IIE TRANSACTIONS*
  Gutierrez, G. J., Hausman, W. H., Lee, H. L.
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- **MULTIPLE FAILURES IN A MULTIITEM SPARES INVENTORY MODEL** *IIE TRANSACTIONS*
  Cheung, K. L., Hausman, W. H.
  1995; 27 (2): 171-180
- **MULTIECHELON VS SINGLE-ECHELON INVENTORY CONTROL POLICIES FOR LOW-DEMAND ITEMS** *MANAGEMENT SCIENCE*
  Hausman, W. H., Erkip, N. K.
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- **A MULTIECHELON INVENTORY MODEL WITH MULTIPLE FAILURES** *NAVAL RESEARCH LOGISTICS*
  Cheung, K. L., Hausman, W. H.
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- **Chapter 7 in Perspectives in Operations Management: Essays in Honor of Elwood S. Buffa** *The Manufacturing/Marketing Interface: Critical Strategic and Tactical Linkages*
  Hausman, W., H., Montgomery, David, B.
  edited by Sarin, Rakesh, K.
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- **SIMULTANEOUS DETERMINATION OF LOT SIZES AND ROUTING MIX IN JOB SHOPS** *MANAGEMENT SCIENCE*
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- **OPTIMAL MACHINE SETTINGS OF IMPERFECT COMPONENT PRODUCTION PROCESSES FOR ASSEMBLY OPERATIONS** *IEEE TRANSACTIONS ON ROBOTICS AND AUTOMATION*
  Lee, H. L., Hausman, W. H., Gutierrez, G. J.
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- **OPTIMAL CENTRALIZED ORDERING POLICIES IN MULTIECHELON INVENTORY SYSTEMS WITH CORRELATED DEMANDS** *JOINT NATIONAL MEETING OF THE INST OF MANAGEMENT SCIENCES AND THE OPERATIONS RESEARCH SOC OF AMERICA*
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- **AN INTEGRATED CORPORATE-PLANNING MODEL FOR FOREST-BASED INDUSTRIES** *OMEGA-INTERNATIONAL JOURNAL OF MANAGEMENT SCIENCE*
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- **Marketing/Manufacturing Interfaces** *The PA Journal for Management*
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  Hausman, W. H., Scudder, G. D.
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- **SPARES STOCKING POLICIES FOR REPAIRABLE ITEMS WITH DEPENDENT REPAIR TIMES** *NAVAL RESEARCH LOGISTICS*
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- **The Stochastic Cash Balance Problem With Average Compensating Balance Requirements** *Management Science*

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1975

- **Contributor to "The Productivity of Servicing Consumer Durable Products," Report No. CPA-74-4, Center for Policy Alternatives, Massachusetts Institute of Technology**
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- **Mail Order Demands for Style Goods; Theory and Data Analysis** *Management Science*
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- **Quantitative Analysis for Business Decisions**
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- **Inventory Control with Probabilistic Demand and Periodic Withdrawals** *Management Science*
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- **Resolution of Investment Uncertainty Through Time** *Management Science*
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- **A Note on the Bergstrom-Smith Multi-Item Production Planning Model** *Management Science*
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- **Minimizing Customer Line Items Backordered in Inventory Control** *Management Science*
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- **Theory of Option Strategy Under Risk Aversion** *Journal of Financial and Quantitative Analysis*
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- **A Multi-Period Truck Delivery Problem** *Transportation Research*
  Hausman, W., H., Gilmour, P.
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- **The Reliability of New Automobile Parts**
  Hausman, W., H.
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- **Early Failures in Automobile Parts: A Background Study in Reliability** *the RAND Corporation, Rand Memorandum RM-4002-PR*
  Hausman, W., H., Kamins, M.
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- **Order Response Time Reliability in Multi-Item Inventory Systems** *European Journal of Operations Research*
  Hausman, W., H., Lee, H., L., Zhang, A.
  98; 3 (109): 646-659