

**Trevor Schuyler Hale, Ph.D.**

**March 2022**

**Information and Operations Management Department, Mays Business School**

**Texas A&M University, College Station, Texas 77843-4217 USA**

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**Professional:**

- Clinical Full Professor of Business Analytics, Mays Business School, Texas A&M University, College Station, Texas, 2018 – Present
- Vice President, [Texas Council of Faculty Senates](#) (TCFS), 2017 – Present
- President, [National Council of Faculty Senates](#) (NCFS), 2019 – 2020
- [American Association of Colleges and Universities](#) (AAC&U) Teaching Faculty Fellow, Washington, DC, Summer 2018  
**Policy research in distributed energy resources (DERs) for the [Alliance to Save Energy](#)**
- 5-time [Office of Naval Research](#) (ONR) Senior Summer Faculty Fellow, Naval Base Ventura County, Port Hueneme, California, Summers of 2009, 2011, 2013, 2017, and 2022  
**National level research in energy resilience, energy storage, energy supply chains, and cyber security for the US Navy**
- Managing co–author of [Quantitative Analysis for Management](#), 13e, Pearson, ©2018  
**Number one selling textbook in the global business analytics market**  
**Translated into Spanish, Portuguese, and Mandarin**  
**14<sup>th</sup> edition to be published in 20223**  
**Managing co-author of [QA4M](#), 12e, Pearson ©2015**
- 2-time President of the Faculty Senate, University of Houston – Downtown, Houston, Texas, 2013 – 2014 and 2017 – 2018  
**Lead the shared governance processes of the university**
- Assistant/Associate/Full Professor, Davies College of Business, University of Houston – Downtown, Houston, Texas, 2006 – 2018  
**University level faculty service award in 2018**  
**Chair, AACSB Maintenance of Accreditation Committee, 2010 – 2011**  
**Semi-finalist for university level faculty research award in 2009**
- Assistant Professor of Industrial Engineering, Russ College of Engineering, Ohio University, Athens, Ohio, 1999 – 2006  
**Chair, ABET Reaccreditation Committee, 2003 – 2004**  
**Semi-finalist for college level teaching award in 2001 and 2003**
- Visiting Assistant/Assistant Professor, College of Engineering, Colorado State University – Pueblo, Pueblo, Colorado, 1996 – 1999  
**Professor of the Year award for the college in 1999**
- SRC/SEMATECH Graduate Fellow, Semiconductor Research Corporation, Research Triangle Park, North Carolina and SEMATECH, Inc., Austin, Texas, 1993 – 1995  
**Researched material handling concerns for domestic semiconductor fabrication facilities**
- Graduate Research Assistant, Texas A&M University, College Station, Texas, 1992 – 1993
- Production Manager (commercial grade hybrid microelectronics), Sipex Corporation, Billerica, Massachusetts, 1990 – 1992  
**Supervised technicians in Class 1000 clean room electronics fabrication facility**
- Manufacturing Engineer (military grade hybrid microelectronics), Lockheed Martin Incorporated, Nashua, New Hampshire, 1988 – 1990  
**Rookie Engineer of the Year for Lockheed’s Nashua facilities in 1989 (100+ new grad hires)**

**Education:**

- Ph.D., Operations Research, Texas A&M University, College Station, Texas, 1997  
Perennial US News & World Report top ten industrial engineering graduate program  
Nominated for the INFORMS – SOLA Dissertation Prize in 1997
- M.S., Engineering Management, Northeastern University, Boston, Massachusetts, 1990  
Coursework included accounting, finance, operations, and organizational behavior
- B.S., Industrial Engineering, Penn State University, State College, Pennsylvania, 1988  
NCCA Division 1 Student–Athlete: Men’s Volleyball, 1984 – 1985  
Board Member: Penn State Industrial & Manufacturing Engineering Society (PSIMES), 2016 – 2020

**Research and Teaching Interests:**

- Business Analytics, Operations Management, and Management Science  
Managing co–author of the number one selling Pearson textbook in the global business analytics market  
[Quantitative Analysis for Management, 13e](#)  
Delivered college of business core operations management course (05 – 17)  
Developed and delivered executive MBA course in management science (09, 10, 11, & 13)  
Delivered college of engineering course in operations management (96, 98, 99, 00, & 06)  
Developed operations management class for supply chain certificate program (05)  
McGraw-Hill: Teaching Without Limits Summit: Operations Management – Tucson, AZ, (16)
- Supply Chains, Facility Layout and Location, Logistics, Networks, and Distribution Systems  
Delivered college of business supply chain and operations management course (05 – 17)  
Delivered college of business course in supply chain materials management (11 & 12)  
Published dozens of refereed articles in supply chains, facility layout, and location science  
Invited special guest editor: *IJIE: Special Issue on Facility Location* (02)  
Maintain oft–cited on–line bibliography of 3400+ facility location and location science references:  
<http://gator.uhd.edu/~halet/>  
Developed and delivered graduate course in location and layout science (01, 03, & 04)  
Developed and delivered advanced graduate course in supply chain management (05 & 09)
- Energy Resilience, Energy Supply Chains, and Energy Policy  
AAC&U Faculty Fellow at the Alliance to Save Energy (summer of 18)  
Office of Naval Research Senior Faculty Fellow (summers of 09, 11, 13, 17, & 22)  
Investigated grid energy storage enabled energy arbitrage for the US Navy  
Researched remote site, micro–grid energy systems implementation and strategy  
Researched energy/cyber security strategies and techniques for the US Navy
- Probability and Statistics  
Co–guest editor special issue of Decision Sciences Journal of Innovative Education (21)  
Delivered undergraduate core course in prob/stat (97, 99 – 04, 18 – present)  
Developed and delivered advanced graduate course in data analytics (06, 21, & 22)  
Developed and delivered advanced undergraduate course in design of experiments (02)  
Applied probability theory in decision support systems
- Simulation and Modeling  
Delivered undergraduate course in discrete event simulation (97, 98, & 99)  
Simulation consultant to BFGoodrich Aerospace (98)

- On-line and Distance Education Pedagogy
  - Developed and delivered several distance, online, and hybrid courses (01 – Present)
  - Delivered undergraduate management science course via compressed video feed (09)
  - Delivered graduate level operations management course via compressed video feed (06)
  - Delivered graduate level quality control course via microwave broadcast (01 & 02)
  - Delivered graduate level project management course via microwave broadcast (02)
  - Delivered graduate level management science course via compressed video feed (04)

#### Journal Publications and Pipeline:

- Heinrich, A., Hale, T., and Blackhurst, J., “Energy supply chain: A literature review”, *Journal of Operations Management: Special Issue on Operational Excellence for Utilities* (to be submitted).
- Hale, T., M’Hallah, R., Welker, C., and Blackhurst, J., “Distance approximations for unit load picks in a warehouse with multiple and scalable storage assignment zones”, *IISE Transactions*, (to be submitted).
- Hale, T. S., Blessley, M., Davila, R., and Pepper, R., “The contagion number of a tree: How fast can a disease spread?”, *TBD*, (to be submitted).
- Hale, T., Welker, C., Pepper, R., and Huq, F., “A closed form solution to the  $k$ -centra problem”, *International Journal of Operational Research*, (accepted and to appear).
- Lutz, H., Hale, T., and Huq, F., “The expected length of an orderly path”, *Annals of Operations Research*, 2020, Vol. 289, No. 2, 463–472.
- Huq, F., Hale, T., and Pujari, N., “A continuous approximation procedure for determining inventory distribution schemas within supply chains: Gradual and intermittent shipping patterns”, *International Journal of Operational Research*, 2020, Vol. 37, No. 1, 48–84.
- Huq, F., Hale, T., Lutz, H., and Pujari, N., “Closed form models for dwell point locations with turnover based storage assignment policy”, *International Journal of Industrial and Systems Engineering*, 2018, Vol. 29, No. 1, 62–73.
- Hale, T., Lutz, H., and Huq, F. “Some more average distance results”, *International Journal of Mathematics in Operational Research*, 2017, Vol. 10, No. 3, 342–269.
- Hale, T., Hanna, M., Huq, F., and Gil, A., “Closed form models for dwell point locations in a multi-aisle automated storage and retrieval system”, *International Journal of Industrial and Systems Engineering*, 2015, Vol. 19, No. 3, 364–388.
- Hale, T. Huq, F., Lutz, H., and Moslares, C., “On the expected distance of a random walk”, *International Journal of Mathematics in Operational Research*, 2015, Vol. 7, No. 3, pp. 241–250.
- Hale, T., Huq, F., Hipkin, I., and Tucker, C., “A methodology for estimating expected distances between nodes on a network”, *Journal of the Operational Research Society*, 2013, Vol. 64, No. 3, pp. 439–445.
- Hale, T., Huq, F., and Hipkin, I., “An improved facility layout construction method”, *International Journal of Production Research*, 2012, Vol. 50, 4271–4278.
- Hale, T., Weeks, K., and Tucker, C., “Carbon footprint reductions via grid energy storage systems”, *International Journal of Energy and Environment*, 2011, Vol. 2, No. 4. pp. 641–646.

- Martin, C., Huq, F., Hale, T., and Willey, Q., “The drop lot location problem on a supply chain”, *World Review of Intermodal Transportation Research*, 2010, Vol. 3, No. 3, pp. 267–284.
- Huq, F., Martin, C., Cutright, K., and Hale, T., “A sensitivity analysis procedure for Bayesian decision making”, *International Journal of Decision Sciences, Risk and Management*, 2009, Vol. 1, No. 1/2, pp. 23–35.
- Hale, T., Hanna, M., and Huq, F., “The generalised dwell point location problem”, *International Journal of Industrial and Systems Engineering*, 2009, Vol. 4, No. 4, pp.446–454.
- Hale, T., Huq, F., Blackhurst, J., and Cutright, K., “Closed form models for dwell point locations for overhead bridge cranes”, *International Journal of Operational Research*, 2009, Vol. 4, No. 4, pp. 412–421.

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- Hale, T., Huq, F., and Pujari, N., “Closed form models for dwell point locations in automated storage carousel systems”, *International Journal of Production Research*, 2008, Vol. 46, pp. 1089–1098.
  - Pujari, N., Day, J., Huq, F., and Hale, T., “A framework for an integrated distribution system optimization model”, *International Journal of Logistics Systems and Management*, 2008, Vol. 4, No. 5, pp. 506–522.
  - Pujari, N., Hale, T., and Huq, F., “A continuous approximation procedure for determining inventory distribution schemas within supply chains”, *European Journal of Operational Research*, 2008, Vol. 186, pp. 405–422.
  - Parthasarathy, M., Hale, T., Blackhurst, J., and Frank, M., “The three–dimensional Fermat–Weber problem with Tchebychev distances”, *Journal of Advanced Modeling and Optimization*, 2006, Vol. 8, pp. 65–71.
  - Hale, T. and Moberg, C., “Improving supply chain disaster preparedness: A decision process for secure site location”, *International Journal of Physical Distribution and Logistics Management*, 2005, Vol. 35, pp. 195–207.
  - Hale, T. and Moberg, C., “Location science research: A review”, *Annals of Operations Research*, 2003, Vol. 123, pp. 21–35.
  - Hale, T., “Foreword to the special issue on facility layout and facility location”, *International Journal of Industrial Engineering*, 2002, Vol. 9, p. 5.
  - Hale, T., Smith, D., and Wysk, R., “A gross aggregation technique for the  $p$ –median location problem”, *International Journal of Operations and Quantitative Management*, 2000, Vol. 6, pp. 129–135.
  - Hale, T. and Hale, L., “An aggregation technique for location problems with one–dimensional forbidden regions”, *International Journal of Industrial Engineering*, 2000, Vol. 7, pp. 133–139.

- Peters, B., Smith, J., and Hale, T., “Closed form models for determining the optimal dwell point location in automated storage and retrieval systems”, *International Journal of Production Research*, 1996, Vol. 34, pp. 1757–1772.
- Cho, H., Derebail, A., Hale, T., and Wysk, R., “A formal approach to integrating computer aided process planning and shop floor control”, *Journal of Manufacturing Science and Engineering*, 1994, Vol. 116, pp. 108–116.

#### Books:

- Render, B., Stair, R., Hanna, M, and Hale, T., Business Analytics: Quantitative Analysis for Management, 14e, Pearson, ©2023, New York, New York.
- Render, B., Stair, R., Hanna, M, and Hale, T., Quantitative Analysis for Management, 13e, Pearson, ©2018, New York, New York.
- Render, B., Stair, R., Hanna, M, and Hale, T., Quantitative Analysis for Management, 12e, Pearson, ©2015, New York, New York.  
**Pearson’s number one selling textbook in the global business analytics market**

#### Book Chapters:

- Hale, T., “Facility location: A synopsis and taxonomy.” In Industrial Engineering Applications and Practice: User’s Encyclopedia, ISBN 0–9654599–0–X, Mital, A., (Ed.), ©1999, University of Cincinnati Press, Cincinnati, Ohio.

#### Synergistic Research Efforts:

- “Renewable Security” NFEC Technical Report No. 13–412, 2013 (co–authors listed below)
 

|                   |   |
|-------------------|---|
| Andrew Sabin      | Geothermal Program: Naval Air Weapons Station China Lake                    |
| Geraldo Ferrer    | Naval Postgraduate School   |
| Gwen Holdmann     | Alaska Center for Energy and Power: University of Alaska                    |
| James Fenton      | Florida Solar Energy Center: University of Central Florida                  |
| John Bowers       | Institute for Energy and Efficiency: University of California Santa Barbara |
| Jonathan Naughton | Wind Energy Research Center: University of Wyoming                          |
| Joshua Hambrick   | National Renewable Energy Laboratory  |
| Karen Flack       | United States Naval Academy   |
| Ken Baldwin       | Center for Ocean Renewable Energy: University of New Hampshire              |
| Saifur Rahman     | Advanced Research Institute: Virginia Tech                                  |
| Seán McGurk       | National Cybersecurity and Communications Integration Center                |
| Steve Bauer       | Sandia National Laboratories  |
| Tom Richard       | Institutes for Energy and the Environment: Penn State University            |
| Trevor Hale       | Naval Facilities (NAVFAC) EXWC / Office of Naval Research                   |
- “Product–Distribution–System Research Frontiers within the University of Houston System” Organized and chaired a session at the 2007 DSI Conference in Phoenix, Arizona that integrated researchers from UH–Downtown, UH–Clear Lake, UH, and UH–Victoria.

**Seminars, Presentations, and Conference Proceedings:**

- Hale, T. and Blessley, M., “On the contagion number of a tree: How fast can disease spread?”, Presented at the POMS 31<sup>st</sup> Annual Conference, April 29–May 5, 2021, online.
- Hale, T. and Huq, F., “The facility number of a graph”, Presented at the 50<sup>th</sup> Annual Meeting of the Decision Sciences Institute, November 23–25, 2019, New Orleans, LA.
- Hale, T. and Blackhurst, J., “An optimization model for energy management”, Presented as part of the 2019 Texas A&M Energy Institute Lecture Series, February 13, 2019, College Station, TX.
- Hale, T. and Huq, F., “An optimization model for energy management within an advanced metering infrastructure framework”, Poster presentation at the 2018 Texas A&M Conference on Energy, September 24–26, 2018, College Station, TX.
- Hale, T. and Rahn, C., “Mission capability enhancement for the expeditionary warfighter via fluidic flexible matrix composite tubing-as-the-pressure-vessel compressed air energy storage system”, Poster presentation at the 2018 Texas A&M Conference on Energy, September 24–26, 2018, College Station, TX.
- Lutz, H., Hale, T., Hutnik, M., Welker, C., Reyes, P., and Huq, F., “Expected distance of a unit load pick in a warehouse with scalable A/Bi/Ci/Di/E storage assignment policies”, Presented at the 48<sup>th</sup> Annual Meeting of the Decision Sciences Institute, November 18–21, 2017, Washington, DC.
- Pepper, R., Hale, T., Pujari, N., and Huq, F., “A graph theoretic approach to the location allocation problem on a network”, INFORMS, October 22–25, 2017, Houston, TX.
- Welker, C., Lutz, H., Huq, F., and Hale, T., “Expected distances of convenient pick paths in warehouses with random storage assignment”, Presented at the 47<sup>th</sup> Annual Meeting of the Decision Sciences Institute, November 19–22, 2016, Austin, TX.
- Reyes, P., Lutz, H., Hale, T., and Huq, F., “Expected distance of a pick in a warehouse with turnover based storage assignment policies”, Presented at the 47<sup>th</sup> Annual Meeting of the Decision Sciences Institute, November 19–22, 2016, Austin, TX.
- Hale, T., Pepper, R., Blackhurst, J., and Huq, F., “The  $k$ -centra location problem on a supply network”, Presented at the 46<sup>th</sup> Annual Meeting of the Decision Sciences Institute, November 21–24, 2015, Seattle, WA.
- Lutz, H., Huq, F., and Hale, T., “A model to preposition inventory for timely disaster relief support”, Presented at the 45<sup>th</sup> Annual Meeting of the Decision Sciences Institute, November 22–25, 2014, Tampa, FL.
- Young, W., Lutz, H., Huq, F., and Hale, T., “Cross-aisle design in robotic warehouse environments”, Presented at the 44<sup>th</sup> Annual Meeting of the Decision Sciences Institute, November 16–19, 2013, Baltimore, MD.
- Hale, T., Lutz, H., Huq, F., and Hipkin, I., “Closed form models for the Euclidean spanning path problem”, Presented at the 43<sup>rd</sup> Annual Meeting of the Decision Sciences Institute, November 17–20, 2012, San Francisco, CA.
- Lutz, H. and Hale, T., “On the Euclidean spanning path problem”, Distinguished Lecture Series, The Harold and Inge Marcus Department of Industrial and Manufacturing Engineering, Penn State University, March 2012, State College, PA.

- Huq, F., Hale, T., and Pujari, N., “A brief summary on a continuous approximation procedure for determining inventory distribution schemas for supply chains with discontinuous production and shipping patterns”, Presented at the 42<sup>nd</sup> Annual Meeting of the Decision Sciences Institute, November 19–22, 2011, Boston, MA.
- Hale, T., Weeks, K., and Tucker, C., “Energy arbitrage and carbon footprint reduction with grid–energy–storage systems: An initial study”, INFORMS, November 7–10, 2010, Austin, TX.
- Waller, B, Pepper, R., Redl, T., John, B., De La Vina, E., and Hale, T., “A graph theoretic approach to determining the location of distribution centers on a line: The facility–number of a path”, Presented at the 40<sup>th</sup> Annual Meeting of the Decision Sciences Institute, November 14–17, 2009, New Orleans, LA.
- Huq, F, Pujari, N., and Hale, T., “Continuous approximation procedures for inventory distribution with asynchronous shipping patterns”, INFORMS, October 12–15, 2008, Washington, DC.
- Cutright, K., Martin, C., Hale, T., and Huq, F., “Sensitivity analysis in the Bayesian approach to decision making”, Presented at the 37<sup>th</sup> Annual Meeting of the Decision Sciences Institute, November 18–21, 2006, San Antonio, TX.
- Martin, C., Hale, T., and Huq, F., “On the drop lot location problem”, Presented at the 36<sup>th</sup> Annual Meeting of the Decision Sciences Institute, November 17–20, 2005, San Francisco, CA.
- Hale, T., “On the generalized dwell point location problem for storage/retrieval systems”, Graduate Seminar Series sponsored by Parsons, Dept. of Industrial Engineering, Texas A&M University, October 2005, College Station, TX.
- Hale, T., “On the dwell point location problem for storage/retrieval systems”, *Industrial Engineering Research Conference*. May 15–18, 2005, Atlanta, GA (invited).
- Hale, T., “Hedging your bets: The generalized dwell point location problem for storage/retrieval systems”, Distinguished Lecture Series, The Harold and Inge Marcus Department of Industrial and Manufacturing Engineering, Penn State University, April 2005, State College, PA.
- Hale, T., Blackhurst, J., Cutright, K., and Huq, F., “Dwell point locations for dual overhead bridge cranes.” INFORMS, October 24–27, 2004, Denver, CO.
- Pujari, N., Hale, T., and Masel, D., “Dwell point locations in automated storage carousel systems”, *13<sup>th</sup> Industrial Engineering Research Conference*, May 15–19, 2004, Houston, TX.
- Parthasarathy, M. and Hale, T., “On the three–dimensional Weber problem with Tchebychev distances”, *13<sup>th</sup> Industrial Engineering Research Conference*. May 15–19, 2004, Houston, TX.
- Pujari, N. and Hale, T., “Dwell point locations in storage carousel systems with turnover based storage assignment policy”, *8<sup>th</sup> International Journal of Industrial Engineering Conference*, November 10–12, 2003, Las Vegas, NV.
- Pujari, N. and Hale, T., “Dwell point locations for multi–aisle warehouses with turnover based storage assignment policy”, *GT/CM World Symposium*, July 28–30, 2003, Columbus, OH.
- Hale, T. and Masel, D., “A new facility layout construction technique”, *12<sup>th</sup> Industrial Engineering Research Conference*, May 18–21, 2003, Portland, OR.

- Hale, T. and Masel, D., “Closed form models for dwell point locations in carousel storage systems”, *11<sup>th</sup> Industrial Engineering Research Conference*, May 19–22, 2002, Orlando, FL.
- Masel, D. and Hale, T., “On the dwell point location in carousel storage systems”, *INFORMS*, November 4–7, 2001, Miami Beach, FL (invited).
- Thangavelu, B. and Hale, T., “Multi–dimensional facility location problems” *10th Industrial Engineering Research Conference*, May 20–23, 2001, Dallas, TX (invited).
- Hale, T., “Location science: An Anthology”, Distinguished Lecture Series, The Harold and Inge Marcus Dept. of Industrial and Manufacturing Engineering, Penn State University, April 2001, State College, PA.
- Hale, T. and Hale, L., “The use of electric fields in facility location research”, *INFORMS*, November 5–8, 2000, San Antonio, TX (invited).
- Hale, T., “A probabilistic methodology for estimating distances between nodes on a network” *9th Industrial Engineering Research Conference*, May 21–23, 2000, Cleveland, OH (invited).
- Liu, G. and Hale, T., “On the planar  $k$ –centrum single facility location problem with Euclidean distances”, *INFORMS*, May 7–10, 2000, Salt Lake City, UT (invited).
- Heinen, M., Keyser, T., and Hale, T., “On the  $p$ –median location problem with one–dimensional forbidden regions”, *8th Industrial Engineering Research Conference*, May 23–24, 1999, Phoenix, AZ.
- Hale, T. “Expected distance functions and the single facility location problem with forbidden regions”, 45th Regional Science Association International, November 1998, Santa Fe, NM.
- Hale, T. and Hale, L., “Optimal dwell point locations in a multi–aisle automated storage and retrieval systems”, *7th Industrial Engineering Research Conference*, May 8–10, 1998, Banff, Alberta, Canada.
- Mbika, P., Keyser, T., and Hale, T., “Mathematical programming and electronic networks”, *INFORMS*, April 26–29, 1998, Montreal, Quebec, Canada.
- Hale, T. and Smith, D., “Expected distances between random points and the shortest path problem”, *6th Industrial Engineering Research Conference*, May 17–18, 1997, Miami, FL.
- Hale, T. and Hale, L., “Expected distance functions and the single facility location problem”, *INFORMS*, May 4–7, 1997, San Diego, CA.
- Hashmi, J., Gunawan, W., and Hale, T., “Scheduling for waste management”, 2nd Southern Colorado Conference for Undergraduate Research, April 26, 1997, Colorado Springs, CO.
- Hale, T., “Optimal dwell point locations for servers in automated storage and retrieval systems”, *SEMATECH Research Series in Semiconductor Manufacturing Automation*, March 1994, Austin, TX.
- Hale, T., “Literature search concerning the design and simulation of semiconductor manufacturing facilities”, *SEMATECH Research Series in Semiconductor Manufacturing Automation*, November 1993, Austin, TX.
- Hale, T., “Industrial engineering toolset as applied to semiconductor manufacturing systems research”, *SEMATECH Research Series in Semiconductor Manufacturing Automation*, November 1993, Austin, TX.
- Hale, T., “A proposal for research: A fab scale performance model”, *Proceedings of TECHCON '93*, September 28–30, 1993, Atlanta, GA.



- Peters, B., Yang, T.-H., Hale, T., and Scott, R., "Interbay automated material handling systems prototype cost/benefit model", *SEMATECH Tech Transfer* No. 93081757A-ENG, August 1993, Austin, TX.
- Hale, T., "Quantity versus quality: A view from the inside", *Proceedings of the American Society of Engineering Education Gulf-Southwest Centennial Symposium*, April 2, 1993, Austin, TX.
- Hale, T., "Advancements in Ag-filled conductive epoxies for use in military hybrid microcircuit applications", Joint Houston-Brazos Chapter IIE Meeting, February 19, 1992, Houston, TX.
- Hale, T., "Seal CIM in hybrid microcircuit manufacturing", *New England Chapter of the International Society for Hybrid Microcircuits, 18th Annual Proceedings*, October 1, 1991, Andover, MA.

## Teaching

Professor of record: *Graduate courses in italics*

|   |   |  |   |
|---|---|--|---|
| <b>Texas A&amp;M</b>  | <b>Spring 94</b><br>INEN 416 Facilities   |  |   |
| <b>CSU–Pueblo</b>   | <b>Fall 96</b><br>EN 475 Facilities<br>EN 477 Operations<br><i>EN 530 Project Mgmt.</i>   | <b>Spring 97</b><br>EN 420 (4) Simulation<br>EN 488 Senior Project<br>EN 443 Quality Control             |   |
|   | <b>Fall 97</b><br>EN 475 Facilities<br>EN 315 Intro. To IE<br><i>EN 504 Scheduling</i>  | <b>Spring 98</b><br>EN 420 (4) Simulation<br>EN 488 Senior Project<br><i>EN 540 Adv. Eng. Econ.</i>      |   |
|   | <b>Fall 98</b><br>EN 475 Facilities<br>EN 477 Operations<br><i>EN 591 Location Science</i>  | <b>Spring 99</b><br>EN 420 (4) Simulation<br>EN 488 Senior Project                                       |   |
|   | <b>Fall 99</b><br>ISE 432 Operations<br>ISE 330 Eng. Econ.  | <b>Winter 00</b><br>ISE 441 (4) Oper. Res.<br>ISE445A Senior Project I                                   | <b>Spring 00</b><br><i>ISE 630 (1) Grad. Seminar</i><br>ISE 445B Senior Project II                                |
|   | <b>Fall 00</b><br>ISE 306(4) Prob./Stat. II   | <b>Winter 01</b><br><i>ISE 640 Location Science</i><br>ISE 445A Senior Project I                         | <b>Spring 01</b><br>ISE 305 Prob./Stat. I<br>ISE 445B Senior Project II   |
|   | <b>Fall 01</b><br>ISE 306 (4) Prob./Stat. II<br>ISE 435 Quality Control<br><i>ISE 630 (1) Grad. Seminar</i><br><i>ISE 535 Quality Control</i> | <b>Winter 02</b><br>ISE 305 Prob./Stat. I<br>ISE 445A Senior Project I<br><i>ISE 535 Quality Control</i> | <b>Spring 02</b><br>ISE 305 Prob./Stat. I<br>ISE 445B Senior Project II<br><i>ISE 536 Project Mgmt.</i>           |
|   | <b>Fall 02</b><br>ISE 306 (4) Prob./Stat. II<br>ISE 435 Quality Control   | <b>Winter 03</b><br>ISE 305 Prob./Stat. I<br>ISE 440A Facilities I                                       | <b>Spring 03</b><br><i>ISE 640 Location Science</i><br>ISE 440B Facilities II<br><i>ISE 630 (1) Grad. Seminar</i> |
|   | <b>Fall 03</b><br>ISE 435 Quality Control   | <b>Winter 04</b><br>ISE 305(4) Prob./Stat. I<br>ISE 440A Facilities I                                    | <b>Spring 04</b><br>ISE 407 Des. Experiments<br>ISE 440B Facilities II<br><i>ISE 561 Mgmt. Science</i>            |
|   | <b>Fall 04</b><br>ISE 441 (4) Oper. Res..<br><i>ISE 640 Location Science</i>  | <b>Winter 05</b><br>ISE 440A Facilities I<br>ISE 435 Quality Control                                     | <b>Spring 05</b><br>ISE 440B Facilities II<br><i>ISE 655 (4) Advanced SCM</i><br><i>ISE 630 (1) Grad. Seminar</i> |
| <b>Fall 05</b><br>ISE 441 (4) Oper. Res.<br><i>ISE 541 Oper. Res.</i> | <b>Winter 06</b><br>ISE 435 Quality Control   | <b>Spring 06</b><br>ISE 432 Operations<br><i>ISE 532 Operations</i>                                      |   |

## Courses (continued)

|                    |  |  |   |
|--------------------|--|--|---|
| <b>UH–Downtown</b> | <b>Summer 06</b><br>MGT 3332 Ops and SCM                             | <b>Fall 06</b><br>MGT 3332 Ops and SCM   | <b>Spring 07</b><br>MGT 3332 Ops and SCM                                    |
|                    | <b>Summer 07</b><br>MGT 3332 Ops and SCM                             | <b>Fall 07</b><br>MGT 3332 Ops and SCM   | <b>Spring 08</b><br>MGT 3332 Ops and SCM<br>BA 3300 Bus. Cornerstone        |
|                    | <b>Summer 08</b><br>MGT 3332 Ops and SCM<br>BA 3300 Bus. Cornerstone | <b>Fall 08</b><br>MGT 3332 Ops and SCM   | <b>Spring 09</b><br>MGT 3332 Ops and SCM                                    |
|                    | <b>Summer 09</b><br>MGT 3332 Ops and SCM<br>BA 3300 Bus. Cornerstone | <b>Fall 09</b><br>MGT 3332 Ops and SCM<br><i>MGT 6332 Mgmt. Science</i>                                    | <b>Spring 10</b><br>MGT 3332 Ops and SCM                                    |
| <b>UH</b>          |  | <b>Fall 09</b><br><i>SCM 7377 Project Mgmt.</i>  |   |
| <b>UH–Downtown</b> | <b>Summer 10</b><br>MGT 3332 Ops and SCM<br>BA 3300 Bus. Cornerstone | <b>Fall 10</b><br>MGT 3332 Ops and SCM<br><i>MGT 6332 Mgmt. Science</i>                                    | <b>Spring 11</b><br>MGT 3332 Ops and SCM<br>SCM 3309 Materials Mgmt.        |
|                    | <b>Summer 11</b><br>BA 3300 Bus. Cornerstone                         | <b>Fall 11</b><br>SCM 3309 Materials Mgmt.<br>MGT 3332 Ops and SCM<br><i>MGT 6332 Mgmt. Science</i>        | <b>Spring 12</b><br>SCM 3309 Materials Mgmt.<br>MGT 3332 Ops and SCM        |
|                    | <b>Summer 12</b><br>BA 3300 Bus. Cornerstone                         | <b>Fall 12</b><br>MGT 3332 Ops and SCM<br><i>MBA 6211 Managerial Dec.</i>                                  | <b>Spring 13</b><br>MGT 3332 Ops and SCM<br><i>MBA 6211 Managerial Dec.</i> |
|                    | <b>Summer 13</b><br>BA 3300 Bus. Cornerstone                         | <b>Fall 13</b><br>MGT 3332 Ops and SCM<br><i>MBA 6211 Managerial Dec.</i><br><i>MGT 6332 Mgmt. Science</i> | <b>Spring 14</b><br>MGT 3332 Ops and SCM                                    |
|                    | <b>Summer 14</b><br>BA 3300 Bus. Cornerstone                         | <b>Fall 14</b><br>MGT 3332 Ops and SCM   | <b>Spring 15</b><br>MGT 3332 Ops and SCM                                    |
|                    | <b>Summer 15</b><br>MGT 3332 Ops and SCM                             | <b>Fall 15</b><br>MGT 3332 Ops and SCM   | <b>Spring 16</b><br>MGT 3332 Ops and SCM                                    |
|                    | <b>Summer 16</b><br>MGT 3332 Ops and SCM                             | <b>Fall 16</b><br>MGT 3332 Ops and SCM   | <b>Spring 17</b><br>MGT 3332 Ops and SCM                                    |
|                    | <b>Summer 17</b><br>MGT 3332 Ops and SCM                             | <b>Fall 17</b><br>MGT 4314 Quality Mgmt.   | <b>Spring 18</b><br>MGT 4314 Quality Mgmt.                                  |

**Courses (continued)**

|   |  |  |
|---|--|--|
| <b>Texas A&amp;M</b>  | <b>Fall 18</b><br>SCMT 303 B-Stat  | <b>Spring 19</b><br>SCMT 303 B-Stat<br><i>BUAD 679 (1) Seminar</i> |
| <b>Summer 19</b><br><i>BUAD 679 (1) Seminar</i>                             | <b>Fall 19</b><br>SCMT 303 B-Stat<br><i>BUAD 679 (1) Seminar</i>                       | <b>Spring 20</b><br>SCMT 303 B-Stat<br><i>BUAD 679 (2) Seminar</i> |
| <b>Summer 20</b><br><i>BUAD 679 (1) Seminar</i>                             | <b>Fall 20</b><br>SCMT 303 B-Stat<br><i>BUAD 679 (1) Seminar</i>                       | <b>Spring 21</b><br>SCMT 303 B-Stat<br><i>BUAD 679 (2) Seminar</i> |
| <b>Summer 21</b><br><i>BUAD 679 (1) Seminar</i><br><i>SCMT 691 Research</i> | <b>Fall 21</b><br>BUSN 203 B-Stat<br>SCMT 611 Stat w/ R<br><i>BUAD 679 (1) Seminar</i> | <b>Spring 22</b><br>BUSN 203 B-Stat<br>SCMT 611 Stat w/ R          |
| <b>Summer 22</b>  | <b>Fall 22</b><br>BUSN 203 B-Stat<br>SCMT 611 Stat w/ R                                | <b>Spring 23</b>   |

**Professional Societies:**

- Production and Operations Management Society, 2007 – Present, Member
- Decision Sciences Institute, 2004 – Present, Senior Member
- INFORMS, 1995 – Present, Senior Member
  - Chair, SOLA Dissertation Award Committee, 2013 – 2014**
  - Board Member At Large: Section on Location Analysis (SOLA), 2004 – 2006**
  - Vice-Chair Publications: Section on Location Analysis (SOLA), 1998 – 2004**
  - <http://www.informs.org/community/sola>
- National Intramural Recreational Sports Association, 2007 – 2012, Member
  - Editorial Board, *Recreational Sports Journal*, 2010 – 2012**
- Institute of Industrial and Systems Engineers, 1987 – 2006, Senior Member
  - President: Division of Operations Research, 2002 – 2003**
  - President: Pikes Peak Senior Chapter, 1997 – 1999**
  - Faculty Adviser: Colorado State – Pueblo Student Chapter, 1998 – 1999**
  - Secretary: Penn State Student Chapter, 1987 – 1988**
- EURO European Working Group on Locational Analysis, 1997 – Present
- National Science Foundation, Review Panel Member, 1999, 2000
- American Production and Inventory Control Society, 1999 – 2002

**Professional and Community Service:**

- Vice-President, Texas Council of Faculty Senates (TCFS), 2018 – Present  
<http://www.txfacultysenates.org/>

- President, National Council of Faculty Senates (NCFS), 2019 – 2020  
<https://www.ncfs.edu>
- Member, Board of Directors, Penn State Ind. and Mfg. Eng. Society (PSIMES), 2016 – 2020  
<http://www.ime.psu.edu/alumni/>
- Member, Board of Trustees, South Central Region of National MS Society, 2008 – 2015  
<http://www.nationalmssociety.org/chapters/TXH/about-this-chapter/board-of-trustees/index.aspx>
- Advisory Council, National Collegiate Volleyball Federation, 2008 – 2012  
<http://www.ncfvolleyball.org>
- Commissioner, Southern Intercollegiate Volleyball Association, 2006 – 2011  
<http://www.sivavolleyball.com>
- Martin Luther King, Jr., National Day of Service Volunteer, January 2008 – Present
- Member, Lion's Club International, 2001 – 2003
- Member, Pueblo 2010 Commission, Task Force on Infrastructure, 1997 – 1999
- Member, Board of Directors, Colorado Springs Youth Symphony Association, 1997 – 1999

#### **Committees:**

- Department Committees and Service:
  - Texas A&M Department APT Faculty Promotion Committee Chair, 2019 (Madhav Pappu)**
  - Texas A&M Department APT Faculty Promotion Committee Chair, 2018 (Laura Li)**
  - UHD Department MMBA Rank and Tenure Committee, 2010 – 2018**
  - UHD Department MMBA Faculty Search Oversight Committee, 2009 – 2010**
  - UHD Department Search Committee (SCM – Jonathan Davis), 2009 – 2010**
  - UHD Department Search Committee, Chair (OB/HR/GM 1 – Sara Perry), 2009 – 2010**
  - UHD Department Search Committee, Chair (OB/HR/GM 2 – Irene Wang), 2009 – 2010**
  - UHD Department Search Committee (SCM – Regena Scott), 2008 – 2009**
  - UHD Department Search Committee (Mgmt. Sci. – Om Gupta), 2007 – 2008**
  - UHD Department Search Committee (Mgmt. Sci.), 2006 – 2007**
  - Ohio University Library Liaison, 2003 – 2005**
  - Ohio University Center for Teaching Excellence, 2003 – 2004**
  - Ohio University Department Search Committee (Gary Weckman), 2001 – 2002**
  - Ohio University Department ET 400 Presentations, 2000 – 2005**
  - Ohio University Department Recruitment Committee, 2000 – 2003**
  - Ohio University Department Search Committee, 2000 – 2001**
  - CSU–Pueblo Department Search Committee, 1997 – 1998**
- College Committees and Service:
  - Davies College MBA Admissions Committee, 2013 – 2016**
  - Davies College MBA Curriculum Committee, 2011 – 2013**

**Davies College MBA Design and Implementation Committee, 2009 – 2011**

**Chair, 2010 – 2011**

**Davies College AACSB Maintenance of Accreditation Committee, 2009 – 2011**

**Chair, 2010 – 2011**

**Davies College Ad Hoc, COB White Board Committee, Fall 2007**

**Russ College Fund Planning and Advisory Committee, 2001 – 2005**

**Russ College of Engineering ABET Reaccreditation Committee 2002 – 2004**

**Chair, 2003 – 2004**

**Russ College Robe Leadership Institute Board Member, 2002 – 2003**

**Russ College Co-op Committee, 2000 – 2003**

**Ohio University Service Course Champions Committee, 1999 – 2002**

**CSU-Pueblo College Grants Liaison Officer, 1998 – 1999**

**CSU-Pueblo College Library Liaison, 1997 – 1999**

■ **University Committees and Service:**

**Texas A&M Faculty Senator, 2021 – 2024**

**Texas A&M Faculty Senate By-laws Committee Member, 2021 – 2022**

**Texas A&M Faculty Senate Legislative Affairs Committee Member, 2021 – 2022**

**Texas A&M Men's Volleyball Club Coach, 2021 – 2022**

**Texas A&M Commencement Faculty Marshal, 12/19, 3/21 (for 2020), 5/21**

**UHD Faculty Senate Executive Committee, 2012 – 2018**

**President of the Faculty Senate, 2013 – 2014, 2017 – 2018**

**Chair of the Faculty Senate Executive Council, 2013 – 2014, 2017 – 2018**

**President-Elect of the Faculty Senate, 2012 – 2013, 2016 – 2017**

**Chair of the Credentials and Elections Committee, 2012 – 2013, 2016 – 2017**

**Secretary of the Faculty Senate, 2014 – 2016**

**UHD University Rank and Tenure Committee, 2017 – 2018**

**UHD A+CE Advisory Council, 2017 – 2018**

**UHD Institutional Compliance Committee, 2017 – 2018**

**UHD Center for Teaching and Learning Excellence, Advisory Board, 2017 – 2018**

**UHD Academic Affairs Council, 2009 – 2013, 2016 – 2018**

**UHD Campus Safety Task Force, 2015 – 2016**

**UHD Planning and Budget Development Committee, 2013 – 2015, 2017 – 2018**

**Chair, 2014 – 2015**

**UHD Associate Vice President of Academic Administration Search Committee (Faiza Khoja), 2014**

UHD Director of Disability Services Search Committee (Meritza Tamez), 2014  
UHD Math Lecturer Search Committee, 2014  
UHD Compliance Committee, 2013 – 2014, 2017 – 2018  
UHD Commencement Committee, 2017 – 2018  
UHD President’s Executive Council, 2012 – 2014, 2017 – 2018  
UHD Committee on Committees, 2012 – 2013, Chair  
UHD Building Community Engagement, 2011 – 2012  
UHD Grievance Committee, 2010 – 2012, 2017 – 2019  
    Chair, 2017 – 2018  
    Hearing Committee Chair, 2011 – 2012 (TN)  
    Hearing Committee Chair, 2010 – 2011 (AK)  
UHD Academic Policy Committee, 2009 – 2012  
    Chair, 2009 – 2010  
UHD Director of Service Learning Search Committee, 2008  
UHD Special Advisory Committee on Graduate Studies, 2008 – 2010  
UHD Faculty Senate, 2008 – 2009, 2012 – 2019  
UHD Academic Technology Committee, 2006 – 2008  
UHD Commencement Faculty Marshal, 12/06, 05/08, 12/08, 12/09, 12/10, 12/11, 12/12, 12/16  
    Associate Grand Marshal, 12/13 and 05/14 (President of the Faculty Senate)  
    Associate Grand Marshal, 12/17 and 05/18 (President of the Faculty Senate)  
Ohio University Curriculum Council, 2001 – 2003, 2004 – 2006  
Ohio University Individual Course Sub-committee, 2001 – 2003, 2004 – 2006  
Ohio University Faculty Senate, 2001 – 2003, 2004 – 2006  
Ohio University Faculty Senate Alternate, 2000 – 2001  
Ohio University NCAA Intercollegiate Athletics Committee, 2001 – 2006  
Ohio University Men’s Volleyball Club Faculty Adviser and Coach, 1999 – 2006  
    Club Sports Adviser of the Year, 2003 – 2004  
Ohio University Academic Quality Improvement Program, Steering Committee, 2003 – 2005  
Ohio University Dean’s Evaluation Committee (University College), 2004 – 2005  
Ohio University Dean’s Evaluation Committee (University College), 2003 – 2004  
Ohio University NCAA Search Committee (Geoff Carlston – Women’s Volleyball Coach),  
2002 – 2003  
Ohio University Outstanding Advisor Selection Committee, 1999 – 2001  
Ohio University Army ROTC Scholarship Committee, 1999 – 2001  
Ohio University NCAA Search Committee (Mike Lessinger – Women’s Volleyball Coach),  
1999 – 2000

**CSU–Pueblo NCAA Search Committee (Stanley Perchan – AD), 1998 – 1999**

**CSU–Pueblo Faculty Senate, 1998 – 1999**



**Funded Research Projects:**

- Office of Naval Research Senior Faculty Fellowship, Summer 2022, \$19,800
- American Association of Colleges and Universities Faculty Fellowship, Summer 2018, \$5000
- Office of Naval Research Senior Faculty Fellowship, Summer 2017, \$19,800
- Office of Naval Research Senior Faculty Fellowship, Summer 2013, \$19,800
- Office of Naval Research Senior Faculty Fellowship, Summer 2011, \$19,800
- Office of Naval Research Faculty Fellowship, Summer 2009, \$17,300
- UHD Faculty Development Grant, Spring 2007, ~\$750
- Voinovich Center PhD Fellow (w/ Aspegren), AY 2004–2005, ~\$20,000
- Voinovich Center Graduate Student Support, Fall 2004, ~\$4000
- Adena Ventures, Summer 2004, ~\$12,000
- GE Global Research Center, 2004, \$10,000
- Stocker Endowment Grant, AY 2004–2005, \$8900
- Stocker Endowment Grant, AY 2003–2004, \$16,900
- Ohio University Research Committee, Fall 2002, \$6788
- Research Challenge Award, Winter 2003, \$5850
- Research Challenge Award, Summer 2002, \$6000
- Research Challenge Award, AY 2001–2002, \$6000
- Research Challenge Award, Spring 2001, \$4348
- Research Challenge Award, AY 2000–2001, \$6000
- Stocker Faculty Enrichment Fund Award, Winter 2004, \$830
- Stocker Faculty Enrichment Fund Award, Winter 2002, \$358
- Stocker Faculty Enrichment Fund Award, Spring 2001, \$500
- Stocker Faculty Enrichment Fund Award, Spring 2000, \$1064
- Stocker Faculty Enrichment Fund Award, Winter 2000, \$353
- Stocker Endowment Grant, August 1999 to June 2001, \$15,000
- INFORMS/CS Committee on Underrepresented Minorities and Women, 1998, \$295
- Colorado State University Faculty Scholar Grant, August 1998 to May 1999, \$2450
- BFGoodrich Aerospace, June 1998 to August 1998, \$14,400
- Pueblo Chemical Depot, January 1998 to May 1998, \$5000
- Systems Modeling Arena Software (w/ Keyser), September 1997, \$99,000 (in kind)
- SRC/SEMATECH Graduate Fellow, August 1993 to December 1994, \$29,400

**Research Proposals:**

- Office of Naval Research Senior Faculty Fellowship. 12/21, \$19,800, Funded: Yes
- ONR BAA proposal on energy storage (w/ [www.best.psu.edu](http://www.best.psu.edu)). 10/18, \$719,572, Funded: No
- American Association of Colleges and Universities. Faculty Fellowship in DC. 1/18, \$5000 Funded: Yes
- ONR BAA proposal on energy storage (w/ [www.best.psu.edu](http://www.best.psu.edu)). 9/17, \$505,000, Funded: No
- Office of Naval Research Senior Faculty Fellowship. 12/16, \$19,800, Funded: Yes
- Office of Naval Research Senior Faculty Fellowship. 12/14, \$19,800, Funded: Yes (declined)
- Office of Naval Research/Naval Postgraduate School ESTEP. 7/13, \$670,000, Funded: No
- National Science Foundation. 2/13, \$64,096, Funded: No
- Office of Naval Research Senior Faculty Fellowship. 12/12, \$19,800, Funded: Yes
- National Science Foundation. 2/11, \$75,014, Funded: No
- Office of Naval Research Senior Faculty Fellowship. 12/10, \$19,800, Funded: Yes
- Office of Naval Research Faculty Fellowship. 12/08, \$17,300, Funded: Yes
- Office of Naval Research Faculty Fellowship. 12/07, \$17,300, Funded: No
- NASA Summer Faculty Fellowship. 5/06, \$18,000, Funded: No
- Voinovich Center PhD Fellow (w/ Aspegren). AY 2004–2005, ~\$20,000, Funded: Yes
- Voinovich Center Graduate Student Support. Fall 2004, ~\$4000, Funded: Yes
- Adena Ventures, Warehouse reference models. Summer 2004, ~\$12,000, Funded: Yes
- National Science Foundation ACT. 6/04, \$86,138, Funded: No
- National Science Foundation HSD/DM&R (w/ Moberg). 3/04, \$171,119, Funded: No
- Ohio University Research Priorities (w/ Huq). 2/04, \$3,331,000, Funded: No
- GE Global Research Center ATD Data Analysis. 1/04, \$10,000, Funded: Yes
- Stocker Foundation. 1/04, \$8,900, Funded: Yes
- Department of Homeland Security/TSWG. 12/03, \$43,000, Funded: No
- Office of Naval Research Faculty Fellowship. 12/03, \$17,300, Funded: No
- NASA Summer Faculty Fellowship. 12/03, \$18,000, Funded: No
- Voinovich Center Graduate Student Support: AY 2003–2004, ~\$15,000, Funded: Yes
- National Security Agency Mathematical Sciences. 10/03, \$75,123, Funded: No
- National Science Foundation SGER. 10/03, \$62,201, Funded: No
- Stocker Faculty Enrichment. Summer 2003, \$600, Funded: No
- National Science Foundation ACT. 5/03, \$82,550, Funded: No
- Stocker Faculty Enrichment. 5/03, \$993, Funded: Yes
- National Science Foundation MRCIRS (w/ Moberg). 3/03, \$187,737, Funded: No
- Stocker Foundation. 1/03, \$16,919, Funded: Yes
- Stocker Foundation. 1/03, \$8,500, Funded: No
- National Science Foundation Engineering the Service Sector: 12/02, \$95,558, Funded: No

- National Science Foundation SGER. 12/02, \$99,828, Funded: No
- Office of Naval Research Faculty Fellowship. 12/02, \$17,300, Funded: No
- NASA Summer Faculty Fellowship. 12/02, \$17,756, Funded: No
- National Security Agency Mathematical Sciences. 10/02, \$73,000, Funded: No
- National Security Agency SPORT Program. 10/02, \$19,333, Funded: No
- Honda Initiation Grant. Fall 2002, \$50,000, Funded: No
- National Science Foundation CAREER: 7/02, \$408,596, Funded: No
- Emhart/NASA. Summer 2002, \$20,000, Funded: No
- National Science Foundation Dear Colleague Letter: 5/02, \$66,127, Funded: No
- Ohio University Research Committee. 2/02, \$6788.50, Funded: Yes
- Stocker Faculty Enrichment. 1/02, \$358, Funded: Yes
- Office of Naval Research Faculty Fellowship. 12/01, \$17,300, Funded: No
- Ohio University Research Challenge. Fall 2001, \$6000, Funded: Yes
- Ohio University Research Committee. 10/01, \$5614, Funded: No
- National Science Foundation SGER Proposal. 10/01, \$39,569, Funded: No
- National Security Agency Young Investigator Proposal. 10/01, \$72,079, Funded: No
- Office of Naval Research Young Investigator Proposal. 10/01, \$280,366, Funded: No
- National Security Agency SPORT Program. 10/01, Amount: \$19,333, Funded: No
- Systems Engineers: 21<sup>st</sup> Century Engineers. 10/01, \$1810, Funded: Yes
- Ohio University Research Committee. 10/01, \$8000, Funded: No
- Ohio University Research Challenge. Summer 2001, \$6000, Funded: Yes
- Off Campus Housing, Athens, Ohio. Summer 2001, \$250, Funded: Yes
- National Science Foundation CAREER Proposal. 7/01, \$354,850, Funded: No
- Ohio University Research Challenge. (RC01-065). 7/01, \$6000, Funded: Yes
- City of Athens Tourism Development Grant Proposal. 1/01, \$600, Funded: Yes
- National Security Agency Young Investigator Proposal. 10/00, \$64,769, Funded: No
- Ohio University Research Challenge. (RC00-056). 10/00, \$4348, Funded: Yes
- Ohio University Research Committee. 10/00, \$6330, Funded: No
- Stocker Faculty Enrichment. 10/00, \$694, Funded: Yes
- Ohio University Research Committee. 10/00, \$8000, Funded: No
- National Science Foundation CAREER Proposal. 7/00, \$356,772, Funded: No
- Ohio University Research Challenge. (RC00-028). 7/00, \$6000, Funded: Yes
- Stocker Faculty Enrichment. 4/00, \$1064, Funded: Yes

**Miscellaneous:**

- Department of Defense: Common Access Card (standard military identification card)
- United States Security Clearance: Confidential (inactive)
- Courses taught: Business statistics (AACSB business core), operations management (AACSB business core), management science (graduate), probability, statistics, operations research – optimization, operations research – survey course, quality management, project management, engineering economy/finance, advanced engineering economy (graduate), sequencing and scheduling (graduate), facility layout and location, advanced supply chain management (graduate), advanced location science (graduate), introduction to industrial engineering, senior project design, advanced project management (graduate), business cornerstone, statistical quality control, design of experiments, and discrete event simulation.
- Courses developed: Data analytics with R (graduate), Advanced supply chain management (graduate), advanced location science (graduate), non-linear optimization (graduate), supply chain management, operations management, project management, supply chains and logistics certificate capstone course (undergraduate), scheduling (graduate), design of experiments (undergraduate), and advanced discrete event simulation (graduate).
- Journal Referee: *International Journal of Production Research*, *Decision Sciences Journal*, *Decision Sciences Journal of Innovative Education*, *Networks and Spatial Economics*, *IEEE Transactions on Wireless Communications*, *International Journal of Business and Systems Research*, *Decision Support Systems*, *Networks and Spatial Economics*, *Journal of Business and Industrial Marketing*, *European Journal of Operational Research*, *Computers and Industrial Engineering*, *Computers and Operations Research*, *IIE Transactions*, *Operations Research*, *Annals of Operations Research*, *International Journal of Industrial Engineering*, *Optimization Letters*, *Journal of Manufacturing Systems*, *International Journal of Operations and Quantitative Management*, *International Journal of Modelling and Simulation*, *Optimal Control: Applications and Methods*, and *Studies on Locational Analysis*
- Editorial Boards: *International Journal of Industrial Engineering* (past), *Advances in Location Science* (past), *Recreational Sports Journal* (past)
- Book Reviewer: McGraw Hill, Marcel Dekker, Engineering and Management Press, Taylor and Francis, John Wiley & Sons, & Pearson
- Session Chair: INFORMS San Diego 1997, IJIE San Antonio 1999, INFORMS Salt Lake City 2000, IERC Cleveland 2000, IERC Dallas 2001, INFORMS Miami Beach 2001, IJIE Las Vegas 2003, INFORMS Denver 2004, DSI Phoenix 2007, DSI New Orleans 2009, INFORMS Austin 2010, DSI Boston 2011, DSI Seattle 2015 (special session on facility location), DSI Austin 2016, IISE Orlando 2019 (special session devoted to Rick Wysk), DSI New Orleans 2019
- Track Chair: SWDSI 2014 – Operations, SWDSI 2015 – Operations, DSI 2017 – Economics, DSI 2017 – Strategic Management
- Consortium Chair: DSI 2017 – Post-proposal PhD Consortium
- Chair, Texas A&M University PhD Committee: A. Heinrich 21 – Present
- Chair, Ohio University PhD Committee: N. Pujari 2005
- Member, Virginia Tech PhD Committee: S.–J. Hong 2004
- Chair, Ohio University Masters Committees: S. Kotian 2006, S. Martin 2004, B. Thangavelu 2003, H.–T. Ko 2001

- Member, Ohio University Graduate Committees: T. Grobaski 2004, I. Al-Jarrah 2002 & 2005 (PhD), S. Datar 2002, A. Imaev 2002, P. Pletcher 2002, S. Gallaher 2002, K. Osra 2002, B. Pepper 2002, S. Thiruppalli 2002, J. Van Euwen 2001, Y. Eaton 2001, I. Aliwarga 2001, M. Narisetty 2000
- Chair, Colorado State University – Pueblo Masters Committees: C.-U. Jeung 1999
- Member, Colorado State University – Pueblo Masters Committees: P. Mbika 1998, K. Bates 1999

**Professional References:**

- Faizul Huq, Professor, Ohio University, 740.593.9352, [huq@ohio.edu](mailto:huq@ohio.edu)
- Rich Metters, Department Head, Professor, and Paul W. and Rosalie Robertson Chair, Mays School of Business, Texas A&M University, 979.845.1148, [rmetters@mays.tamu.edu](mailto:rmetters@mays.tamu.edu)
- Forrest Aven, Dean of the H-E-B School of Business, University of the Incarnate Word, 210.805.5884, [aven@uiwtx.edu](mailto:aven@uiwtx.edu)
- Jen Blackhurst, Professor and Associate Dean, Tippie School of Business, University of Iowa, 319.335.0643, [jennifer-blackhurst@uiowa.edu](mailto:jennifer-blackhurst@uiowa.edu)

**Societal Impact Statement:**

To ensure a positive societal impact in research, teaching, and service, I employ big-picture thinking to guide my decision-making. In other words, from the perspective of 30,000 feet, what is the next big thing one can do to effect positive change in the world. Scilicet, what are my dreams? It is a process that has served me well over the years.

**WRT research**, I am a location scientist. To that end, my research program seeks to help people decide where a certain resource (or resources plural) are best placed so as to optimize some objective function. I am a 20 year member and former officer of the Section for Location Analysis (SOLA; ) within INFORMS as well as a 20 year member of the European Working Group for Location Analysis (EWGLA; ) within EURO. I am currently (as of 3/1/2022) fifth among the supply chain faculty at Texas A&M for Google Scholar citations. I am a five time Office of Naval Research Senior Faculty Fellow spending the summers of 2009, 2011, 2013, 2017, and 2022 (postponed from summer of 2020) at Naval Base Ventura County in Port Hueneme, California performing mission critical research (albeit not usually publishable publicly) for the US Navy in the area of energy management and energy supply chains. To that end, I am also one of just 4 Mays faculty members to be a Faculty Affiliate with the Texas A&M Energy Institute (there are currently 295 Faculty Affiliates campus wide). Big picture: I dream of starting a research center at Texas A&M to drive research initiatives in the global location science community. It starts with securing and naming it: The Station for Location Science. I plan to model it after the two existing academic centers in location science in the United States: The Center for Location Science at George Mason and The Laboratory for Location Science at Alabama . Indeed, both of these labs require all their new graduate students to read my broadly cited *Annals of Operations Research* literature review on location science. It is required reading and, hence, impactful. Lastly, I was a recently a finalist for a US Fulbright Scholar Award. I hope to re-apply and win one for AY 2023-2024. If awarded, it will be the first US Fulbright Scholar Award in Mays in over 20 years.

**WRT teaching**, I employ servant leadership principles to make an impact on my undergraduate classes. I tell them that I work for them. I love my job. I implore them to never say that they're sorry when they come visit me during office hours. During COVID-19, I let them know that I'm human, too. That, in and of itself, made a huge impact (...although they weren't the only ones that cried). We do homework problems (apply knowledge) together during class and I show them 'where' the instruction (theoretical background) is in the book and other resources. I am also the managing co-author with Pearson of the global number two textbook in quantitative analysis. This keeps me directly in touch with undergraduate AACSB student learning outcomes as Pearson flies me to pedagogical conferences and AACSB training sessions. Big picture: My steps over the last twenty-two years at three prior universities have led me back to College Station. I'm an Aggie so in all of my classes the students stand up with me, lock arms, and sing the Aggie War Hymn at the beginning of syllabus day. Hullabaloo! Caneck! Caneck! We were really, really loud in 113 last January. That all being said, I have dreams of continually improving learning and content comprehension in a flipped classroom setting. Moreover, my business analytics textbook with Pearson ([Business Analytics: Quantitative Analysis for Management](#), Render, Stair, Hanna, and Hale, 14e, 2023) affords me several advantages in the design of undergraduate and graduate level coursework.

**WRT service**, which is literally in my DNA, as both my father (Dr. Leslie C. Hale, Jr., the A. Robert Noll Professor of Electrical Engineering at Penn State) and my father's father (Dr. Leslie C. Hale, of then, Texas Western, now UTEP) were drawn to, participated in, and left their marks on the shared governance processes of their respective Universities. Those footsteps

led me to become a faculty senator at four different universities (in Colorado, Ohio, Houston, and, now, College Station respectively) and to eventually be elected as Faculty Senate President... twice...during my academic career. The second time was instrumental in my garnering the University level service award at my university in 2018. BIG PICTURE: These steps were what led me to practice shared governance on the state and national level. I am a current Vice President of the Texas Council of Faculty Senates and a past President of the National Council of Faculty Senates.