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[and](#) [Profession](#)  
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[n Systems](#) [Managers](#)  
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[Finance](#) [MBA Hong](#)  
[Manageme](#) [Kong MBA](#)  
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[ns](#) [Executive](#)  
[Marketing](#) [Education](#) [Project](#)

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Entrepreneurial  
Ph.D. Programs  
Management Accounting  
Track Economics  
Master's Finance  
Programs Management  
Master of nt and  
Accountancy (M.Ac.) Organizations  
Master of Management  
Science in nt Sciences  
Business Marketing  
Analytics  
Certificates  
Business  
Analytics  
(Graduate)  
Entrepreneurial  
Management  
(Undergraduate)  
International

al Business  
Certificate  
(Undergrad  
uate) Risk  
Manageme  
nt and  
Insurance  
(Undergrad  
uate)

Student Life

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Centers & Institutes

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# PEOPL E DIREC TORY

Home People Directory



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Business Building  
The University of Iowa,  
Iowa City, IA 52242-  
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page](#)

Academic History

PhD in Industrial &  
Operations  
Engineering,  
University of  
Michigan, 2003

MS in Industrial &  
Operations

Engineering,  
University of  
Michigan, 2001

BS in Mathematics,  
University of  
Nebraska-Lincoln,  
1998

#### Expertise

Heuristic

Optimization

Logistics & Routing

Operations Research  
in Agriculture

Sports Analytics

#### Awards

Strategic Innovation  
Academy Faculty of  
the Year, 2011-2012,  
Tippie College of  
Business, April 2012

Nominee for  
President & Provost  
Award for Teaching

Excellence, Council on  
Teaching, January  
2012

Finalist, Elevator Pitch  
Competition, John  
Pappajohn  
Entrepreneurial  
Center, November  
2010

Strategic Innovation  
Faculty of Year, 2009 -  
2010, Tippie College  
of Business, April  
2010

Finalist, Elevator Pitch  
Competition, John  
Pappajohn  
Entrepreneurial  
Center, May 2009

Dean's Teaching  
Award, 2008 - 2009,  
Tippie College of  
Business, April 2009

Finalist, Daniel H.  
Wagner Prize for

Excellence in  
Operations Research  
Practice, Institute for  
Operations Research  
and the Management  
Sciences, November  
2008

Finalist, INFORMS  
Case Competition,  
Institute for  
Operations Research  
and the Management  
Sciences, November  
2008

MBA Core Faculty of  
the Year, 2005 - 2006,  
Tippie College of  
Business, April 2006

Young Researcher  
Roundtable,  
INFORMS  
Conference on O.R.  
Practice, April 2005

George B. Dantzig  
Dissertation Award,

INFORMS, October  
2004

Selected Publications

A Priori Orienteering  
with Time Windows  
and Stochastic Wait  
Times, Shu Zhang,  
Jeffrey W. Ohlmann,  
Barrett W. Thomas,  
European Journal of  
Operational Research,  
vol 239, 2014, 70-79

The Travelling  
Salesman Problem  
with Time Windows:  
Adapting Algorithms  
from Travel-time to  
Makespan  
Optimization, Manuel  
López-Ibáñez,  
Christian Blum,  
Jeffrey W. Ohlmann,  
Barrett W. Thomas,  
Applied Soft  
Computing, vol 13,



2013, 3806–3815

Rollout Policies for  
Dynamic Solutions to  
the Multi-Vehicle  
Routing Problem with  
Stochastic Demand  
and Duration Limits,  
Justin C. Goodson,  
Jeffrey W. Ohlmann,  
Barrett W. Thomas,  
Operations Research,  
vol 61, 2013, 138-154

Cyclic-Order  
Neighborhoods with  
Application to the  
Vehicle Routing  
Problem with  
Stochastic Demand,  
Justin Goodson,  
Jeffrey W. Ohlmann,  
Barrett W. Thomas,  
European Journal of  
Operational Research,  
vol 217, 2012, 312-  
323

An Integer  
Programming Model  
for Optimal Pork  
Marketing, Jeffrey W.  
Ohlmann, Philip C.  
Jones, Annals of  
Operations Research,  
vol 190, 2011, 271-  
287

A Randomized  
Delaunay  
Triangulation  
Heuristic for  
Euclidean Steiner  
Tree Problem in  $R^d$ ,  
Jon W. Van  
Laarhoven, Jeffrey W.  
Ohlmann, Journal of  
Heuristics, vol 17,  
2011, 353-372

An Agent-Based  
Stochastic Ruler  
Approach for a  
Knapsack Problem  
with Competition-

Induced Uncertainty,  
Matthew R. Gibson,  
Jeffrey W. Ohlmann,  
Michael J. Fry,  
Computers &  
Operations Research,  
vol 37, 2010, 598 -  
609

Resource-  
Constrained  
Management of  
Heterogeneous  
Assets Exhibiting  
Independent  
Stochastic Behavior,  
Jeffrey W. Ohlmann,  
James C. Bean,  
European Journal of  
Operational Research,  
vol 199, 2009, 198 -  
208

Route Design for  
Delivery of Electronic  
Voting Machines in  
Hamilton County,

Ohio, Michael J. Fry,  
Jeffrey W. Ohlmann,  
Interfaces, vol 39,  
2009

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Supply Planning for a  
Vertically Integrated  
Paper Mill, Philip C.  
Jones, Jeffrey W.  
Ohlmann, European  
Journal of Operational  
Research, vol 191,  
2008, 557-570

Route Design for Lean  
Production Systems,  
Jeffrey W. Ohlmann,  
Michael Fry, Barrett  
W. Thomas,  
Transportation  
Science, vol 42, 2008,  
352-370

A Player Selection  
Heuristic for a Sports  
League Draft, Michael  
J. Fry, Andrew W.

Lundberg, Jeffrey W.  
Ohlmann, Journal of  
Quantitative Analysis  
in Sports, vol 3, 2007

A Compressed  
Annealing Approach  
to the Traveling  
Salesman Problem  
with Time Windows,  
Jeffrey W. Ohlmann,  
Barrett W. Thomas,  
INFORMS Journal on  
Computing, vol 19,  
2007, 80 - 90

Convergence in  
Probability of  
Compressed  
Annealing, Jeffrey W.  
Ohlmann, James C.  
Bean, Shane G.  
Henderson,  
Mathematics of  
Operations Research,  
vol 29, 2004, 837-860  
Operations Research

Methods Applied to  
Workflow in a Medical  
Records Department,  
S.-Y. Edna Chan,  
Jeffrey W. Ohlmann,  
Steven Dunbar,  
Charlene Dunbar,  
Sarah Ryan, Paul  
Savory, Health Care  
Management Science,  
vol 5, 2002, 191-199

Working Papers

A Rollout Algorithm  
Framework for Finite-  
Horizon Stochastic  
Dynamic  
Programming, Justin  
C. Goodson, Barrett  
W. Thomas, Jeffrey W.  
Ohlmann

Ranking and  
Prediction of  
Collegiate Wrestling,  
Kristina Gavin Bigsby,  
Jeffrey W. Ohlmann

Restocking-Based  
Rollout Policies for  
the Vehicle Routing  
Problem with  
Stochastic Demand  
and Duration Limits,  
Justin C. Goodson,  
Barrett W. Thomas,  
Jeffrey W. Ohlmann

Conference Proceedings

Determining  
Transportation Mode  
Choice to Minimize  
Distribution Cost:  
Direct Shipping,  
Transit Point, and 2-  
Routing, Luca  
Bertazzi, Jeffrey W.  
Ohlmann

A Memetic Heuristic  
for the Co-Clustering  
Problem, Mohammad  
Khoshneshin, Mahtab  
Ghazizadeh, Nick  
Street, Jeffrey W.

Ohlmann, Fifth  
International ICST  
Conference on Bio-  
Inspired Models of  
Network, Information,  
and Computing  
Systems, 2010

Privacy Protection in  
Published Data Using  
an Efficient Clustering  
Method, Md. Manzoor  
Murshed, Jeffrey W.

Ohlmann,  
International  
Conference on  
Infocomm  
Technologies in  
Competitive  
Strategies, 2010

Sponsored Research

Simulation-Based  
Activities to Teach  
Enterprise-Wide  
Effect of  
Manufacturing



Practices, Jeffrey W.  
Ohlmann, Philip C.  
Jones, Barrett W.  
Thomas. Computer  
Integrated  
Manufacturing in  
Higher Education  
Alliance

Instructional  
Improvement Award,  
Jeffrey W. Ohlmann,  
Philip C. Jones, Barrett  
W. Thomas. University  
of Iowa Council on  
Teaching

#### Other Work

Djinni: A C++  
Framework for  
Heuristic Search,  
Robert J. Hansen,  
Tristan D. Thiede,  
Justin C. Goodson,  
Jeffrey W. Ohlmann,  
Barrett W. Thomas,  
Computational

Infrastructure for  
Operations Research,  
2011

Effective Application  
of Simulated  
Annealing, Jeffrey W.  
Ohlmann, Jon W. Van  
Laarhoven, Wiley  
Encyclopedia of  
Operations Research  
and Management  
Science, 2011

Review and Editorial Work

Referee, Academy of  
Management Learning  
& Education

Referee, Asia Pacific  
Journal of Operational  
Research

Referee, Decision  
Support Systems

Referee, European  
Journal of Operational  
Research

Referee, INFORMS  
Journal on Computing  
Referee, INFORMS  
Transactions on  
Education  
Referee, Interfaces  
Referee, Journal of  
Optimization Theory  
and Applications  
Referee,  
Manufacturing &  
Service Operations  
Management  
Referee, Mathematics  
of Operations  
Research  
Referee, Operations  
Research Letters  
Referee,  
Transportation  
Science

Professional Affiliations

Associate Editor,  
Journal of Heuristics,

January 2006 -

current

Editorial Board

Member, Journal of

Quantitative Analysis

in Sports, June 2005 -

current

Advisory/Consulting

Editor, Interfaces -

Special Issue

on "Analytics in

Sports", May 2010 -

May 2011

Presentations

Dynamic Orienteering

on a Network of

Queues, Department

of Operations,

Business Analytics, &

Information Systems,

University of

Cincinnati, Cincinnati,

OH, March 2015

[From the Classroom](#)

to the Locker Room:  
Teaching the Next  
Generation of Sports  
Analysts, MIT Sloan  
Sports Analytics, MIT  
Sloan School of  
Business, Boston, MA,  
March 2014

Decomposition  
Heuristic for Inbound  
Lean Logistics,  
INFORMS Annual  
Meeting, Minneapolis,  
MN, October 2013

Daily Routing for  
Customer  
Relationships in  
Pharmaceutical Sales,  
Department of  
Quantitative  
Methods, University  
of Brescia, Brescia,  
Italy, May 2013

A Rollout Policy  
Framework with

Application to Vehicle  
Routing, Department  
of Quantitative  
Methods, University  
of Brescia, Brescia,  
Italy, April 2013

A Rollout Policy  
Framework for  
Dynamic  
Programming  
Approximations to the  
Vehicle Routing  
Problem with  
Stochastic Demand  
and Duration Limits,  
Department of  
Computer Science,  
University of Iowa,  
Iowa City, IA,  
November 2011

Using Sports in the  
Classroom, INFORMS  
Annual Meeting,  
Charlotte, NC,  
October 2011

Sports Analytics,  
Sports Business & Law  
Symposium, St. Louis  
University, St. Louis,  
MO, April 2011

Sports Draft Analytics,  
College of  
Management, Georgia  
Tech, Atlanta, GA,  
March 2011

Operations  
Research/Management  
Science in Business  
Schools, INFORMS  
Annual Meeting,  
Austin, TX, November  
2010

A Lean Vehicle  
Routing Problem,  
INFORMS Annual  
Meeting, Austin, TX,  
November 2010

Improving Teaching  
Effectiveness: Tips  
from Seasoned

Faculty , INFORMS  
Annual Meeting,  
Austin, TX, November  
2010

Heuristic Approach  
for Optimizing  
Sequential Selection  
Under Competition-  
Induced Uncertainty,  
Computing Society,  
INFORMS,  
Charleston, SC,  
January 2009

Optimization of Player  
Selections in the MLB  
Draft, Symposium on  
Statistics and  
Operations Research  
in Baseball, INFORMS,  
American Statistical  
Association, New  
York, New York, July  
2008

And the Seattle  
Seahawks Are Now



On the Clock...,  
INFORMS Annual  
Meeting, Seattle, WA,  
November 2007

To Market, To Market,  
To Sell A Fat Pig,  
INFORMS Annual  
Meeting, Seattle, WA,  
November 2007

Vehicle Routing in a  
Lean Production  
System, INFORMS  
International, July  
2007

Route Design for the  
Delivery of Electronic  
Voting Machines: A  
VRPTW Case Study,  
Computing Society,  
INFORMS, Coral  
Gables, FL, January  
2007

A Player Selection  
Heuristic for a Sports  
League Draft,

Department of  
Mechanical and  
Industrial  
Engineering,  
University of Iowa,  
Iowa City, November  
2006

Vehicle Routing for  
Just-In-Time  
Production System,  
INFORMS Annual  
Meeting, Pittsburgh,  
PA, November 2006

A Tabu-based Search  
Heuristic for Vehicle  
Routing in a Just-In-  
Time Production  
System, Department  
of Computer Science,  
University of Iowa ,  
Iowa City, November  
2006

Modeling and Solving  
a Sports League Draft  
With Linear

Programming,  
Department of  
Mathematics,  
University of  
Nebraska, Lincoln, NE,  
October 2006

What Can O.R. Do For  
You?, Department of  
Mathematics,  
University of  
Nebraska, Lincoln, NE,  
October 2006

Vehicle Routing in a  
Lean Production  
System, CORS/  
Optimization Days,  
Montreal, Canada,  
May 2006

Long-Range Timber  
Supply Planning for a  
Vertically Integrated  
Paper Mill, CORS/  
Optimization Days,  
Montreal, Canada,  
May 2006

Djinni: A C++  
Framework for  
Heuristic  
Optimization,  
INFORMS Annual  
Meeting, San  
Francisco, CA,  
November 2005

Multiple-Penalty  
Compressed  
Annealing with  
Application to the  
VRPTW, INFORMS  
Annual Meeting, San  
Francisco, November  
2005

Raw Material Sourcing  
Decisions for a  
Vertically Integrated  
Paper Mill, IFORS  
Triennial, Honolulu,  
HI, July 2005

Addressing  
Constrained  
Combinatorial

Problems with  
Compressed  
Annealing,  
Department of  
Mechanical and  
Industrial  
Engineering,  
University of Iowa,  
Iowa City, IA, April  
2005

Theory and  
Applications of  
Compressed  
Annealing, INFORMS  
Annual Meeting,  
Denver, CO, October  
2004

Fleet Management  
with Stochastic  
Deterioration and  
Budget Constraints,  
INFORMS Annual  
Meeting, Denver, CO,  
October 2004

Applications of

Compressed  
Annealing in Fleet  
Replacement and  
Vehicle Routing,  
Department of  
Quantitative Analysis  
and Operations  
Management,  
University of  
Cincinnati, Cincinnati,  
OH, November 2003  
Agent-Based Model of  
Teamwork and  
Competition in the  
NBA, INFORMS  
Annual Meeting,  
Atlanta, GA, October  
2003

Committees and  
Professional Service

Management Sciences  
Director of  
Undergraduate  
Studies (Business  
Analytics track), 2013-

current

Applied Mathematical  
& Computational  
Sciences Program,  
2008-current

INFORMS, 1998-  
current

Research Task Force,  
2013-2014

Management Sciences  
Graduate Committee,  
2005-2013

Learning Spaces  
Advisory Board, 2010-  
2012

Elected Faculty  
Council, 2010-2012

Tippie College of  
Business Judicial  
Board, 2009-2012

Production and  
Operations  
Management Society,  
2010

O.R. in Sports Section  
of INFORMS, 2004-  
2008

Additional Training

Developing  
Spreadsheet-Based  
Decision Support  
Systems, Workshop,  
INFORMS, 2004

NSF CAREER  
Proposal Writing,  
Workshop, National  
Science Foundation,  
2004

Integration of Penalty  
Methods and  
Heuristic Search, Old  
Gold Fellowship,  
University of Iowa,  
2004

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#### Departments

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[Finance Management  
and Organizations](#)  
[Management Sciences](#)  
[Marketing](#)

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[HawkMail ICON ISIS](#)  
[PBB Maps TIP](#)

#### Opportunities

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#### Student Services

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[Pomerantz Business  
Library Undergraduate](#)

# Advising



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