



Dimitrios Mihailidis, Ph.D.

- Associate Professor at the Hellenic Mediterranean University (HMU)
- Senior Research Scientist at the Centre for Technological Research (CTR) of Crete

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Professional Summary

Franz Edelman Award (for Achievement in Advanced Analytics, Operations Research, and Management Science) Laureate – Analytics Professional – Professor of Operations Research – Senior Research Scientist with demonstrated history of applied research. Expert in Mathematical Modeling / Programming, Optimization, Probability, Statistical Data Analysis, Statistical Modeling, Decision / Risk Analysis and Algorithm Design. Experienced Academic professional with a Doctor of Philosophy (Ph.D.) degree in Operations Research from Wayne State University (Michigan, USA)

Education

Doctor of Philosophy, Operations Research

[Wayne State University \(WSU\)](#)¹, Department of Industrial & Manufacturing Engineering (now Industrial & Systems Engineering)², Detroit, Michigan

Dissertation: "[Solution Strategies for Real World Complex Combinatorial Matching-Blending Problems](#)"³

Master of Science, Major: Operations Research - Minor: Electrical & Computer Engineering

[Wayne State University \(WSU\)](#)¹, Department of Industrial Engineering & Operations Research, Detroit, Michigan

Bachelor of Science, Major: Physics - Minor: Mathematics

[National & Kapodistrian University of Athens](#)⁴, School of Physics & Mathematics, Athens, Greece

Certifications

Statistical Packages for the Computer

[Greek Statistical Institute \(GSI\)](#)⁵, Athens, Greece

Military Service

Hellenic Armed Forces⁶

Army Specialist, Infantry battalion 547, Rethymno, Crete 74100, Greece

Professional Experience

Associate Professor of Operations Research

[Hellenic Mediterranean University](#)⁷

Heraklion, Crete, Greece

May 2019 - present

¹ <https://wayne.edu>

² <http://engineering.wayne.edu/ise/>

³ http://www.researchgate.net/publication/254725154_Solution_strategies_for_real_world_complex_combinatorial_matching-blending_problems

⁴ <http://en.uoa.gr/>

⁵ <http://www.esi-stat.gr/>

⁶ <https://armedforces.eu/Greece>

⁷ <https://www.facebook.com/HellenicMediterraneanUniversity/>



Senior Research Scientist

[Tourism and Entrepreneurship Research Laboratory \(TenLab\)](#)⁸

Heraklion, Crete, Greece

November 2015 - present

Senior Research Scientist

[Center for Technological Research \(CTR\) of Crete](#)⁹

Heraklion, Crete, Greece

June 2001 - present

- (Operational Research and Strategic Development Sector) (current)
- Head of the Operations Research & Strategic Development Sector (former)

[Wayne State University](#)¹, Detroit MI, USA

(former)

- Visiting Professor in the Department of Industrial and Systems Engineering - [EMMP for Ford Motor Company](#)¹⁰ (former)
- Research Associate ([Ford Motor Company Leadership Projects](#)¹¹) (former)
- Part-time Faculty (Department of Industrial & Manufacturing Engineering) (former)
- Research Assistant for the Monsanto Company (former)
- Graduate Research Assistant (Department of Industrial Engineering & Operations Research) (former)
- Graduate Teaching Assistant (Department of Industrial Engineering & Operations Research) (former)

[Technological Educational Institute \(TEI\) of Crete](#)¹², Greece

(former)

- Associate Professor of Operations Research (Department of Business Administration) (former)
- Associate Professor in the Master's Degree Program: "[MBA for Engineers](#)¹³" (former)
- Member of the Management Committee of the "[Special Account for Research Grants](#)¹⁴": SARG (former)
- Associate Dean of the School of Management & Economics (former)
- Chairman of the Business Administration Department (former)
- Departmental Coordinator for the "[ERASMUS+ Programme](#)¹⁵" (Department of Business Administration) (former)
- Scientific Director of the Business Administration Department support program from the European Community (former)
- Project Manager for two TEI Schools support from the European Union's Operational Programme for Education (former)

[Heraklion School of Management \(now MBS College of Crete\)](#)¹⁶, Greece

(former)

- Professor (Business Administration Department, Faculty of Social Sciences) (former)
- Director of Studies of the Business Administration Department (former)

Funded Research

Ford Motor Company (through the EMMP's Leadership Projects)

- Prototype Optimization Model
- Global Scenario Planning for Large/Luxury Front Wheel Drive Vehicles with Automatic Transmissions
- Marketing Strategy for the full size Right Hand Drive (RHD) Pick-Ups
- Vehicle Architecture - Total Vehicle Cost Model
- High Voltage Battery & Climate Sizing Systems Engineering Process
- Unified Power-Train Prototype Strategy
- Electrified Power-train Engineering Prioritization Tool

[European Community Support Framework \(CSF\) for the Region of Crete, Greece](#)¹⁷

- Development, structural adjustment and enhancement of the TEI's Business Administration Department Infrastructure.

⁸ <https://www.researchgate.net/lab/Tourism-and-Entrepreneurship-Laboratory-TenLab-Alexandros-Apostolakis>

⁹ http://en.wikipedia.org/wiki/Centre_for_Technological_Research_of_Crete

¹⁰ Engineering Management Master's Program: <https://engineering.wayne.edu/ise/ms/emmp.php>

¹¹ <https://engineering.wayne.edu/ise/ms/emmp-impact.php>

¹² <http://www.teicrete.gr/en>

¹³ <https://www.teicrete.gr/mba-eng/el/υποσελιδες/δημητριος-μυχανλιδης>

¹⁴ <http://www.teicrete.gr/en/tei/13723>

¹⁵ <http://ec.europa.eu/programmes/erasmus-plus/>

¹⁶ <http://www.collegeofcrete.com/>

¹⁷ http://www.3kps.gr/en_2000-2006.htm



[Operational Programme for Education and Initial Vocational Training \(O.P. "Education"\)](#)¹⁸

- Design and Implementation of the Applied Information & Multimedia Department in the School of Engineering at TEI of Crete
- Design and Implementation of Nutrition & Diet Department in the School Agriculture, Food & Nutrition at TEI of Crete

Monsanto Company (through WSU)

- Optimal Blending of Powdery Substances
- Evaluation of Possible Blending Scenarios

City of Detroit (through WSU)

- Fire Department: Dispatch - Response Time Simulation Model
- Police Department: Crime Simulation Model

Presentations in Professional Conferences

18th Annual National Meeting of the Hellenic Association of Regional Scientists, Heraklion, Greece (April 2014)

Vice President of the Scientific Committee

The meeting is co-organized by the department of Business Administration of TEI of Crete, the Department of Regional Economic Development of the University of Central Greece and the Hellenic Association of Regional Scientists a section of the European Regional Science Association which is a branch of the [RSAI \(Regional Science Association International\)](#)¹⁹

16th Annual National Meeting of the [Hellenic Operational Research Society \(HELORS\)](#)²⁰, Larissa, Greece (September 2003)

Member of the Scientific Committee – TEI of Crete Representative

[INFORMS Spring 2000 Meeting, Salt Lake City, Utah \(May 2000\)](#)²¹

Presentation title: "Rightsizing & Management of Prototype Vehicle Testing"

PICMET 97' Portland International Conference on Management & Technology

Presentation title: "[Managing Prototype Reduction with Management & Technology](#)"²²

[ORSA / TIMS Joint National Meeting, Detroit, Michigan \(October 1994\)](#)²³

Presentation title: "Algorithms for the Solution of the Independent Set Problem"

ORSA / TIMS Local Chapter Meeting, Detroit, Michigan (December 1991)

Presentation title: "Optimal blending of powdery substances"

ORSA / TIMS Joint National Meeting, Nashville, Tennessee (May 1991)

Presentation title: "Optimal blending of out-of-specs chemicals"

Selective Research Papers

"Maximum Independent Set & Simulated Annealing", (with Kenneth Chelst), will be sent to the *Journal of the Operational Research Society*

"[Prototype Fleet Optimization Model](#)"²⁴, ([Abstract](#)²⁵) (with Jeffrey Lockledge, John Sidelko, & Kenneth Chelst), *Journal of the Operational Research Society*, vol. 53, No 8 (2002)

"[Rightsizing and Management of Prototype Vehicle Testing at Ford Motor Company](#)"²⁶, ([Abstract](#)²⁴) (with Kenneth Chelst, John Sidelko, Alex Przebienda & Jeffrey Lockledge), *Interfaces* vol. 31 (Special Issue: Franz Edelman Award Papers²⁷), No 1 (2001)

¹⁸ <http://www.epeaek.gr/epeaek/en/home.html>

¹⁹ <http://www.regionalscience.org/>

²⁰ <http://ifors.org/web/greece/>

²¹ Search for: **The World's best** in <https://www.informs.org/About-INFORMS/News-Room/Press-Releases/OPERATIONS-RESEARCHERS-MEET-IN-SALT-LAKE-CITY-April-13-2000>

²² <http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=653586&url=http%3A%2F%2Fieeexplore.ieee.org%2Fiel4%2F4876%2F13450%2F00653586>

²³ <http://meetings2.informs.org/Past.html>

²⁴ Copy link to your browser: <https://www.jstor.org/stable/822911>

²⁵ <https://link.springer.com/article/10.1057/palgrave.jors.2601321>

²⁶ <https://pubsonline.informs.org/doi/10.1287/inte.31.1.91.9687>

²⁷ Copy link to your browser: <https://www.jstor.org/stable/125056362>



"Optimal blending of out-of-specifications substances²⁸", (Abstract²⁹) (with Kenneth Chelst), *Journal of the Operational Research Society*, vol. 49, No 5 (1998)

"Marketing Strategy for the Right Hand Drive (RHD) full size Pick-Ups", EMMP Leadership Project 2 (with Lisa Bahash, Mike Carty, Brian McIntee, Bill Soisson, Leon Speed & Terry Sykes), *Ford Motor Company* (1997)

"Global Scenario Planning for Large/Luxury Front Wheel Drive Vehicles with Automatic Transmissions", EMMP Leadership Project 1 (with Bon Bezzo, Kevin McClafferty, Lori Pimental, Adam Vahratian, Keith Waineo & Keith Wolfe), *Ford Motor Company* (1997)

"Managing Prototype Reduction with Mathematical Programming³⁰", (with John Sidelko, Pat Tibbenham, John Goodman, Kenneth Chelst & Jeffrey Lockledge), *Innovation in Technology Management – The Key to Global Leadership³¹*. PICMET '97: *Portland International Conference on Management and Technology³²* (1997)

"Prototype Optimization Model (POM)", (with John Goodman, John Hedges, Robert Knoell, John Sidelko, Patricia Tibbenham, & John Washington), *Ford Motor Company Product Development Pubs* (1996)

"Algorithms for the Solution of the Maximum Independent Set Problem", *INFORMS conference proceedings (Detroit, USA, October 1994)*

"Blending Scenarios – Salvaging out-of-spec Chemicals", (with Gary Wasserman), *Wayne State University (Detroit, 1992)*

"Optimal Remixing of Powdery Substances", *ORSA/TIMS chapter meeting proceedings (Detroit, USA December 1991)*

"Optimal Remixing of Out-of-Specs Chemicals", (with Kenneth Chelst), *ORSA/TIMS chapter meeting proceedings (Nashville, USA, May 1991)*

"Lagrangian Relaxation: A tool for Mathematical programming applications – A review", *Wayne State University (Detroit, 1991)*

"Approximation Methods for General and Tandem Queuing Networks with Blocking – A review", *Wayne State University (Detroit, 1989)*

"Crime Simulation Models", (with Kenneth Chelst), *Detroit Police & Fire Operations (Detroit, 1988)*

"Response – Dispatch Time Simulation Models", (with Kenneth Chelst), *Detroit Police & Fire Operations (Detroit, 1988)*

Books

"Does This Line Ever Move? Everyday Applications of Operations Research" by Kenneth Richard Chelst & Thomas G. Edwards, Key Curriculum Press 2005 (Translation / Interpretation into the Greek Language - in progress)

"Value-Added Decision Making for Managers" by Kenneth R. Chelst & Yavuz Burak Canbolat, CRC Press Taylor & Francis Group 2012 (Translation / Interpretation into the Greek Language - in progress)

"From Percentages to Algebra: Using Authentic Problem Contexts" (Teacher's Edition) by Kenneth R. Chelst, Thomas R. Edwards, Deborah Ferry & Marianne Srock, Applied Mathematics Practices 2017 (Translation / Interpretation into the Greek Language - in progress)

Awards

"Outstanding Teaching Award", Wayne State University Graduate School
"Henry Ford Technology Award", Ford Motor Company, (Nominated for)
"Franz Edelman Finalist Award³³", [INFORMS³⁴](#), (Laureate)

²⁸ Copy link to your browser: <http://www.jstor.org/pss/3009884>

²⁹ <https://link.springer.com/article/10.1057/palgrave.jors.2600532>

³⁰ https://ieeexplore.ieee.org/document/653586?tp=&arnumber=653586&url=http:%2F%2Fieeexplore.ieee.org%2Fxppls%2Fabs_all.jsp%3Farnumber%3D653586

³¹ Copy link to your browser: <https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=653231>

³² Copy link to your browser: <https://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=4876>

³³ <https://www.informs.org/Recognizing-Excellence/INFORMS-Prizes/Franz-Edelman-Award/Franz-Edelman-Laureates2/Franz-Edelman-Laureates-Class-of-2000>

³⁴ http://www.eurekaalert.org/pub_releases/2000-05/IfOR-Ftvo-2405100.php



Professional Affiliations

[Institute for Operations Research and Management Science \(INFORMS\)](#)³⁵
[The Association of the European Operational Research Societies \(EURO\)](#)³⁶
[Society for Industrial and Applied Mathematics \(SIAM\)](#)³⁷
[Institute of Industrial & Systems Engineers \(IISE\)](#)³⁸
[Optimization Online](#)³⁹
[Applied Mathematics Practices for the 21st Century \(AMP21\)](#)⁴⁰

References

[James Jacobs, Ph.D.](#)

former Professor & President Emeritus
Macomb Community College (MCC), Warren, MI, USA

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[Kenneth Chelst, Ph.D.](#)

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Dept. of Industrial & Systems Engineering,
Wayne State University, Detroit, Michigan, USA

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GoogleScholar: <https://scholar.google.com/citations?user=OJpn3qkAAAAJ&hl=>
Academia: <https://hmu-gr.academia.edu/DimitriosMihailidis>
Facebook: <https://www.facebook.com/dimitrios.mihailidis>
Skype ID: jim_dina

³⁵ <http://www.informs.org/>

³⁶ <http://www.euro-online.org/web/pages/1/>

³⁷ <http://www.siam.org/>

³⁸ <http://www.iise.org/Home/>

³⁹ <http://www.optimization-online.org/>

⁴⁰ <http://www.appliedmathpractices.com/>