Athanasios Tsalatsanis Ph.D.

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Citizenship

USA

Education

University of South Florida, Doctor of Philosophy, Industrial and Management Systems Engineering, 2008	2004-2008
Technical University of Crete, Greece, Production Engineering, Master of Science, 2003	2001-2003
Technical University of Crete, Greece, Production Engineering and Management, Bachelor of Science, 2001	1996-2001

Postgraduate Training

Postdoctoral fellowship, University of South Florida, Healthcare Engineering	2008-2009

Awards, Honors, Honorary Society Memberships

Excellence in USF Health MCOM Educational Mission	2023
Excellence in USF Health MCOM Research Mission	2023
Excellence in USF Health MCOM Educational Mission	2022
Excellence in USF Health MCOM Research Mission	2022

Military Services

Airman, Greek Air Force	2001-2003

Appointments

Professor, USF Health Office of Research, Research Methodology and Biostatistics Core; Department of Internal Medicine, Morsani College of Medicine, University of South Florida, Tampa, Florida	2025-Present
Associate Professor, USF Health Office of Research, Research Methodology and Biostatistics Core; Department of Internal Medicine, Morsani College of Medicine, University of South Florida, Tampa, Florida	2018-2025
Director, Health Informatics Master's Program, Morsani College of Medicine, University of South Florida, Tampa, Florida	2019- Present
Director, Healthcare Analytics concentration of the Health Informatics Masters Program, Morsani College of Medicine, University of South Florida, Tampa, Florida	2017-2019
Associate Professor, USF Health Program for Comparative Effectiveness Research; Department of Internal Medicine, Division of Evidence-based Medicine, Morsani College of Medicine, University of South Florida, Tampa, Florida	2015-2018

Associate Professor, USF Health Program for Comparative Effectiveness Research; Department of Internal Medicine, Division of Evidence-based Medicine, Morsani College of Medicine, University of South Florida, Tampa, Florida	2015-2018
Assistant Professor, Division of Evidence-based Medicine, Department of Internal Medicine, Morsani College of Medicine, University of South Florida, Tampa, Florida	2013-2015
Associate Director, Health Informatics Master's Program, Morsani College of Medicine, University of South Florida, Tampa, Florida	2013-2019
Director, Division of Health Informatics and Decision Making, Clinical and Translational Science Institute, Morsani College of Medicine, University of South Florida, Tampa, Florida	2012-2013
Assistant Professor, USF Health Center for Evidence-based Medicine and Health Outcomes Research, Clinical and Translational Science Institute; Dept. of Internal Medicine, Morsani College of Medicine, University of South Florida	2010-2013
Research Associate, Center for Evidence-based Medicine and Health Outcomes Research, Morsani College of Medicine, University of South Florida, Tampa, Florida	2009-2010
Graduate Assistant, Department of Industrial and Management Systems Engineering, College of Engineering, University of South Florida, Tampa, Florida	2006-2007
Research Assistant, Unmanned Systems Laboratory, Department of Computer Science and Engineering, College of Engineering, University of South Florida, Tampa, Florida	2005-2008
Research Assistant, Center for Robot Assisted Search and Rescue, Department of Computer Science and Engineering, College of Engineering, University of South Florida, Tampa, Florida	2004-2005

Teaching, Lecture

BMS6890 SELECT II — 2023-2024
Role: Coaching
Number of students:9

BMS6890 SELECT I — 2022-2024
Role: Coaching
Number of students:9

HIM 6141 Introduction to Healthcare Analytics — 2018-Present
Role: Developer, Director and Lecturer
Level: Graduate
Audience: General (Physicians, nurses, engineers, admins)
Type of learning: online
Frequency: Six 8 week terms/year
Average number of students per year: 72

HIM 6628 Health Data Visualization — 2018-Present
Role: Developer, Director and Lecturer
Level: Graduate
Audience: General (Physicians, nurses, engineers, admins)
Type of learning: online
Frequency: Six 8 week terms/year
Average number of students per year: 18

BMS 6837 Evidence Based Clinical Reasoning II 2015-2022
Role: Small group facilitator
Average number of students per year: 8

HIM 6664 Healthcare Project Management 2014-Present
Role: Developer, Director and Lecturer
Level: Graduate
Audience: General (Physicians, nurses, engineers, admins)
Type of learning: online
Frequency: Six 8 week terms/year
Average number of students per year: 80

HIM 6114 Integrated Electronic Medical Records 2013-2016
Role: Developer, Director and Lecturer
Level: Graduate
Audience: General (Physicians, nurses, engineers, admins)
Type of learning: online
Frequency: Six 8 week terms/year
Average number of students per year: 110

HIM 6667 Foundation in Management Information Systems 2013-Present
Role: Developer, Director and Lecturer
Level: Graduate
Audience: General (Physicians, nurses, engineers, admins)
Type of learning: online
Frequency: Six 8 week terms/year
Average number of students per year: 150

ENG 4450 Introduction to Linear System 2007-2008
Role: Lecturer
Level: Undergraduate
Audience: Engineering students
Type of learning: Traditional
Average number of students per year: 15

ENG 3615 Engineering Economics 2007-2008
Role: Teaching Assistant
Level: Undergraduate
Audience: Engineering students
Type of learning: Traditional
Average number of students per year: 30

Lectures by Invitation

1. Health Informatics, invited lecture in GMS6069 Translational Biotechnology 2017-2024
2. Health Informatics, invited lecture in BMS 6890 SELECT II 2014-2022
3. Medical Decision Making, invited lecture in BMS6836 Evidence-based Clinical Reasoning II 2011-2023
4. RichMD, radio interview on Health Informatics 2018
5. Panelist at HIMSS Data Analytics/Clinical and Business Intelligence 2018

6. Dual processing model for medical decision making, Division of EBM, Morsani College of Medicine 2014
7. Activating Clinical Trials: A process improvement approach, Division of EBM, Morsani College of Medicine 2014
8. Empirical evaluation of the acceptable regret model, Division of Evidence Based Medicine (EBM), Morsani College of Medicine 2014
9. Social network analysis in healthcare applications, Center for EBM, Clinical and Translational Science Institute (CTSI), 2012
10. Principles of Comparative Effectiveness Research and Decision Making, Morsani College of Medicine 2012
11. Improving medical decision making by incorporating decision maker preferences. Dept. of Electrical and Computer Engineering, University of Denver, Colorado 2011
12. Database design, workshop on Research Methods, CTSI College of Medicine 2011
13. Regret theory approach to decision curve analysis, Center for EBM, CTSI 2010

Scholarly Activity

A) Current Grants

Agency: Florida Department of State
Title: Hyperbaric Oxygen Treatment for Veterans with Traumatic Brain Injury
P.I.: Harry Van Loveren
Role on Project: Co-investigator
Percent effort: 20%
Total costs for project period: $28,000,000
Project period: 7/01/2024 – 6/30/2028

Agency: Veteran Affairs
ID#: 6162-1046-00
Title: Interagency Personnel Agreement (IPA)
P.I.: Athanasios Tsalatsanis, Ph.D.
Percent effort: 15%
Total costs for project period: $32,547
Project period: 10/01/2023 – 9/30/2024

Agency: CDC
ID#: NU01DD000009
Title: "University of South Florida & Tampa General Hospital: Collaborations to Contribute Data to Inform Clinical"
P.I.: Wright, Tanner
Role on Project: Co-investigator
Percent effort: 3%
Direct costs per year: $282,426
Total costs for project period: $423,639
Project period: 09/30/2023 – 09/29/2027

Agency: NIH
ID#: DA057667

Title: "CADENCE - Continuous And Data-Driven Care Program"
P.I.: Kimberly Fryer
Role on Project: Co-investigator
Percent effort: 3%
Direct costs per year: $ 462,974
Total costs for project period: $ 678,481
Project period: 09/30/2022 – 09/29/2024

Agency: DOD
ID#: HT9425-23-1-0643
Title: "Mechanisms, Markers, and Risk Factors in Friedreich's Ataxia Heart Disease"
P.I.: Thomas McDonald
Role on Project: Co-investigator
Percent effort: 5%
Direct costs per year: $913,642
Total costs for project period: $5,682,103
Project period: 07/15/2023 – 07/14/2027

Agency: Johns Hopkins University/NIH
ID#: AG076518
Title: "Long-term effects of hearing intervention on brain health in the Aging and Cognitive Health Evaluation in Elders (ACHIEVE) randomized study"
P.I.: Frank Lin
USF P.I.: Victoria Sanchez
Role on Project: Contracted Informatics services
Percent effort: $12,074.45
Direct costs per year: $2,864,668
Total costs for project period: $16,097,431
Project period: 08/15/2022-07/31/2027

Agency: Columbia University/NIH
ID#: AG075083
Title: "Early Age-Related Hearing Loss Investigation (EARHLI): A Randomized Controlled Trial to Assess the Mechanisms"
P.I.: Justin Scott Golub
USF P.I.: Victoria Sanchez
Role on Project: Contracted Informatics services
Percent effort: $1067.16
Direct costs per year: $ 776,781
Total costs for project period: $ 6,389,021
Project period: 09/15/2022-08/31/2027

B) Past Grants

Agency: TVAREF
ID#: 2USF-IMAP24-1
Title: "Improved Understanding of Medical And Psychological Needs (I-MAP) in Veterans and Service Members with Chronic TBI"

P.I.: Ambuj Kumar
Role on Project: Co-investigator
Percent effort: 3%
Total costs for project period:318,359
Project period: 05/25/2018-05/24/2024

Agency: Medical University of South Carolina/NIH
ID#: MH124744
Title: "Leveraging deep learning and clinical notes for surveillance and prediction of intentional self-harm and suicide"
P.I.: Jihad Obeid
USF PI: Brian Bunnell
Role on Project: Co-investigator
Percent effort: 20%
Total costs for project period: $551,840
Project period: 05/01/2021-04/30/2023

Agency: CDC
ID#: PI-CD34-OPI / PO4292
Title: "The MATernaL and Infant NetworK to Understand Outcomes Associated with Treatment for Opioid Use Disorder"
P.I.: Louis, Judette
Role on Project: Co-investigator
Percent effort: 3%
Total costs for project period: $435,000
Project period: 09/02/2021-07/31/2023

Agency: Veteran Affairs
ID#: 6162-1040-00
Title: Interagency Personnel Agreement (IPA)
P.I.: Athanasios Tsalatsanis, Ph.D.
Percent effort: 50%
Total costs for project period: $102,996
Project period: 09/30/2022-09/29/2023

Agency: Veteran Affairs
ID#: 6162-1030-00
Title: Interagency Personnel Agreement (IPA)
P.I.: Athanasios Tsalatsanis, Ph.D.
Percent effort: 35%
Total costs for project period: $64,911
Project period: 10/01/2021-09/30/2022

Agency: Horizon Pharma
ID#: 6119-1496-00
Title: Uncovering how Interferon gamma is used in the prevention and treatment of infections in Chronic Granulomatous Disease across the United States
P.I.: Leiding, Jennifer
Percent effort: 10%

Total costs for project period: $149,500
Project period: 01/01/2020-06/30/2021

Agency: Department of Army
ID#: W81XWH-09-2-0175
Title: "Development of EBM-CDSS (Evidence-Based Clinical Decision Support System) to Aid Prognostication in Terminally Ill Patients"
P.I.: Benjamin Djulbegovic
Role on Project: Co-investigator
Percent effort: 23%
Total costs for project period: $ 4,258,404
Project period: 09/25/2009-12/31/2015

Agency: Health Resources and Srvcs Admin
Title: "Florida/Caribbean AIDS Education"
P.I.: Jeffrey Beal
Role on Project: Co PI
Percent effort: 15%
Total pay for project period: $23,303
Project period: 07/01/2011-06/30/2013

Agency: John E. Fogarty International Center
Title: "Program in Adolescent HIV/AIDS"
P.I.: Patricia Emmanuel
Role on Project: Co-investigator
Percent effort: 8%
Total costs for project period: $41,936
Project period: 09/01/2009-2/29/2012

Agency: University of South Florida Foundation
ID#: 6001100502
Title: "Design and Development of Patient centric diabetes management systems"
P.I.: Laura Barnes
Role on Project: Co PI
Percent effort: 19%
Total costs for project period: $ 95,857.47
Project period: 09/01/2009-2/29/2012

Agency: National Cancer Institute
ID#: CA140408
Title: "Treatment Success and Ethical Principles of Equipoise
P.I.: Benjamin Djulbegovic
Role on Project: Co-investigator
Percent effort: 14%
Total costs for project period: $670,018
Project period: 6/22/2009-5/31/2011

Published Bibliography

Peer-reviewed

1. **Tsalatsanis A,** Valavanis K, Tsourveloudis N. Mobile robot navigation using sonar and range measurements from uncalibrated cameras. J Intell Robot Syst. 2007;48(2):253-84. doi: 10.1007/s10846-006-9095-8.
2. **Tsalatsanis A,** Valavanis K, Yalcin A. Vision based target tracking and collision avoidance for mobile robots. J Intell Robot Syst. 2007;48(2):285-304. doi: 10.1007/s10846-006-9096-7.
3. **Tsalatsanis A,** Yalcin A, Valavanis KP. Dynamic Task Allocation in Cooperative Robot Teams. Int J Adv Robot Syst. 2009;6(4):309-18.
4. **Tsalatsanis A,** Hozo I, Djulbegovic B. Small world networks and treatment discovery process in cancer. J Clin Oncol. 2010;28(15). doi: DOI 10.1200/jco.2010.28.15_suppl.6086; PMCID: PMC2954854.
5. **Tsalatsanis A,** Hozo I, Vickers A, Djulbegovic B. A regret theory approach to decision curve analysis: A novel method for eliciting decision makers' preferences and decision-making. Bmc Med Inform Decis. 2010;10. doi: Artn 5110.1186/1472-6947-10-51. PubMed PMID: 20846413; PMCID: PMC2954854.
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8. **Tsalatsanis A,** Barnes L, Hozo I, Skvoretz J, Djulbegovic B. A Social Network Analysis of Treatment Discoveries in Cancer. Plos One. 2011;6(3). doi: ARTN e1806010.1371/journal.pone.0018060. PubMed PMID: 21464896; PMCID: PMC3065482.
9. **Tsalatsanis A,** Barnes LE, Hozo I, Djulbegovic B. Extensions to Regret-based Decision Curve Analysis: An application to hospice referral for terminal patients. Bmc Med Inform Decis. 2011;11. doi: Artn 7710.1186/1472-6947-11-77. PubMed PMID: 22196308; PMCID: PMC3305393.
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12. Djulbegovic B, Elqayam S, Reljic T, Hozo I, Miladinovic B, **Tsalatsanis A,** Kumar A, Beckstead J, Taylor S, Cannon-Bowers J. How do physicians decide to treat: an empirical evaluation of the threshold model. Bmc Med Inform Decis. 2014;14. doi: Artn 4710.1186/1472-6947-14-47. PubMed PMID: 24903517.
13. Hernandez JM, **Tsalatsanis A,** Humphries LA, Miladinovic B, Djulbegovic B, Velanovich V. Defining Optimum Treatment of Patients With Pancreatic Adenocarcinoma Using Regret-Based Decision Curve Analysis. Ann Surg. 2014;259(6):1208-14. doi: 10.1097/Sla.0000000000000310. PubMed PMID: 24169177.
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information to elicit preferences. Bmj Open. 2014;4(10). doi: ARTN e00553610.1136/bmjopen-2014-005536. PubMed PMID: 25326208; PMCID: PMC4202002.
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7. **Tsalatsanis A,** Valavanis KP, Kandel A, Yalcin A. Multiple sensor based UGV localization using fuzzy Extended Kalman Filtering. Mediterranean Conference on Control & Automation; Athens, Greece2007. p. 1-8.
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Service

National Science Foundation, SBIR Digital Health Panel, Reviewer	2021-Present
University of South Florida, Faculty Senate, Senator	2017-2020
University of South Florida Health, MCOM, Faculty Council, Treasurer	2016-2019
University of South Florida, Institutional Review Board, Member	2014-Present
University of South Florida, Scientific Review Committee, Member	2011-2012

Reviewer for 2011-Present
HIMSS global conference
BMC Medical Informatics and Decision Making
Jones & Bartlett Learning
Engineers in Medicine and Biology Society

Memberships

American Medical Informatics Association membership	2013-Present
Health Information Management Systems Society membership	2016-Present
Engineers in Biomedicine Society membership	2010-2016