

BUNYAMIN OZAYDIN, Ph.D.

Department of Health Services Administration
University of Alabama at Birmingham
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EDUCATION

University of Alabama at Birmingham

Ph.D. in Computer Engineering 2012

Dissertation: "An Information Theoretical Modeling and Analysis of Systems"

University of Alabama at Birmingham

M.S. in Electrical Engineering 2002

Marmara University, Istanbul, Turkey

B.S. in Physics 1999

RESEARCH / PROFESSIONAL EXPERIENCE

Dept. of Health Services Administration, University of Alabama at Birmingham

Assistant Professor Jun. 2015 – Present

- Major fields of concentration include health information systems, decision support systems, telemedicine, database and data warehouse systems, data mining and analytics, including machine learning and predictive analytics, and systems modeling and analysis

Informatics Institute, School of Medicine, University of Alabama at Birmingham

Scientist Apr. 2018 – Present

Dept. of Anesthesiology, University of Alabama at Birmingham

Research Associate Mar. 2012 – May 2015

- Development of guidelines for biomedical data analyses and procedures, including database design and management, advanced biostatistics, and decision support systems
- Data mappings of perioperative Electronic Medical Record (EMR) data for the Multicenter Perioperative Outcomes Group (MPOG) and Anesthesia Quality Institute (AQI) databases

Dept. of Health Services Administration, MS in Health Informatics Program, University of Alabama at Birmingham (UAB)

Course Instructor Aug. 2014 – May 2015

Dept. of Anesthesiology, University of Alabama at Birmingham

Information Systems Specialist II Oct. 2008 – Mar. 2012

- Deployment and maintenance of virtualized and partially clustered servers, providing services of Active Directory, file, print, web, DHCP, MSSQL, FileMaker, and backup
- Design and maintenance of clinical, administrative, and research databases; including merging data from Anesthesia Information System (AIS) and other hospital systems
- Design, development, and implementation of a suite of web applications called Anesthesiology Dashboard that includes operating room scheduling, billing, event management, user and computer management, call scheduling, individualized compliance measurement and reporting

Dept. of Ophthalmology – Clinical Research Unit / Glaucoma Clinic, University of Alabama at Birmingham

Database Analyst II Jan. 2004 – Oct. 2008

- Pre-processing (including image processing) of multi-type research data collected by various ophthalmic instruments and implementation of statistical analysis and artificial intelligence techniques for classification and pattern recognition on the data

- Deployment and maintenance of Apple X-Serve/X-RAID cluster and Exabyte backup unit with FileMaker, application, backup, and file servers and maintenance, archive, backup, and data recovery for ophthalmic instruments with various operation systems, network protocols, and data structures
- Design, implementation, and maintenance of databases for use in clinical and epidemiologic research and creation of and performance of quality assurance checks for the supported databases

Dept. of Ophthalmology, University of Alabama at Birmingham

Computer Technician

Jan. 2002 – Jan. 2004

TEACHING EXPERIENCE

Dept. of Health Services Administration, School of Health Professions, University of Alabama at Birmingham

Course Development

- HIM-665: Healthcare Data Analysis for Performance Improvement (Graduate): Fall 2015
- HI-661: Advanced Database Design and SQL for Health Care (Graduate): Spring 2016
- HI-600: Analysis and Design of Health Information Systems (Graduate Certificate): Spring 2017
- HI-662: Healthcare Business Intelligence (Graduate): Spring 2018
- HI-600: Analysis and Design of Health Information Systems (Graduate): Fall 2019

MS Health Informatics Program, School of Health Professions, University of Alabama at Birmingham

Course Instruction

- HI-600: Analysis and Design of Health Information Systems (Graduate): Since Fall 2014
- HI-601: Databases and Data Modeling (Graduate): Since Spring 2015
- HIM-665: Healthcare Data Analysis and Performance Improvement (Graduate): Fall 2015
- HI-661: Advanced Database Design and SQL for Health Care (Graduate): Since Spring 2016
- HI-662: Healthcare Business Intelligence (Graduate): Since Spring 2018
- HI-654/664: Health Informatics User Experience/Data Analytics Project (Graduate): Since Summer 2017

Coaching Student Case Competition Team

- MITRE Healthcare Anti-Fraud Academic Competition: Fall 2019

Dept. of Electrical and Computer Engineering, University of Alabama at Birmingham

Teaching Assistantship

- Coding for Digital Communications (Graduate): Spring 2000
- Lectures on Computation I (Graduate): Spring 2001
- Optical Measurements (Graduate): Fall 2002
- Quantum Computing (Graduate): Summer 2004
- Data Mining (Graduate): Spring 2006
- Quantum Computing (Graduate): Summer 2010

Guest Lectures

2002 – 2015

- Electromagnetics (Junior)
- Random Variables and Processes (Graduate)
- Various graduate level special topic courses

Dept. of Physics, University of Alabama at Birmingham

Teaching Assistantship: Lab Instruction and Tutoring

- General Physics I (Sophomore): Fall 1999
- General Physics II (Sophomore): Winter 2000

PUBLICATIONS

Refereed Journal Publications

- Behring, M., Hale, K., **Ozaydin, B.**, Grizzle, W. E., Sodeke, S. O., Manne, U. (2019). Inclusiveness and ethical considerations for observational, translational, and clinical cancer health disparity research. *Cancer*. doi:[10.1002/cncr.32495](https://doi.org/10.1002/cncr.32495)
- Modi, S., **Ozaydin, B.**, Zengul, F., & Feldman, S. (2019). The emerging literature for the triad of health informatics, healthcare quality and safety, and healthcare simulation. *Health Systems*. doi:[10.1080/20476965.2019.1687263](https://doi.org/10.1080/20476965.2019.1687263)
- Ozaydin, B.**, Houser, S. H., Zengul F. D. (2018). Illuminating informatics: Tracking the journey of electronic health data through health information systems. *Journal of the American Health Information Management Association*, 89(1), 40-43.
- Ghiasi, A., Zengul, F., **Ozaydin, B.**, Oner, N., & Breland, B. (2018). The Impact of Hospital Competition on Strategies and Outcomes of Hospitals: A Systematic Review of the U.S. Hospitals 1996-2016. *Journal of Health Care Finance*, 23-42.
- Ozaydin, B.**, Zengul F. D., Oner, N., Delen, D. (2017). Text-Mining Analysis of mHealth Research. *mHealth* 2017;3:53. doi: 10.21037/mhealth.2017.12.02.
- Aydin, R., Zengul, F., Quintana, J., **Ozaydin, B.** (2017). Does Transparency Affect Hospital Care Outcomes: A Systematic Review of the Literature. *Advances in Health Care Management (Accepted– pending publication)*.
- Kau, C. H., Celebi, A. A., **Ozaydin, B.** (2017). A 3-Dimensional Anthropometric Evaluation of Facial Morphology Among Colombian and Mexican-American Population. *Journal of Craniofacial Surgery (Accepted – pending publication)*.
- Oner, N., Zengul, F. D., **Ozaydin, B.**, Pallota, R. A., Weech-Maldonado, R. (2016). Organizational and Environmental Factors Associated with Hospital Financial Performance: A Systematic Review. *Journal of Health Care Finance*, 43(2), 14-37.
- Zengul, F. D., Weech-Maldonado, R., **Ozaydin, B.**, Patrician, P. A., O'Connor, S. J. (2016). Longitudinal analysis of high-technology medical services and hospital financial performance. *Health Care Management Review*. doi:[10.1097/HMR.0000000000000124](https://doi.org/10.1097/HMR.0000000000000124)
- Sirmali, M., Solak, O., Cevik, T., Sirmali, R., **Ozaydin, B.**, Ginis, Z., Agackiran, Y., Delibas, N. (2015). Vitamin E modulates lung oxidative stress, serum copper, zinc, and iron levels in rats with pulmonary contusion. *Turkish Journal of Medical Sciences*, 45(2), 268-276. doi:[10.3906/sag-1311-108](https://doi.org/10.3906/sag-1311-108), online 3/29/2014
- Ozaydin, B.**, & Tanik, M. M. (2011). System modeling and analysis using communication channels. *Journal of Integrated Design and Process Science*, 15(1), 53-85.
- Clark, M. E., McGwin, G., Neely, D., Feist, R., Mason, J. O., Thomley, M., White, M. F., **Ozaydin, B.**, Girkin, C. A., Owsley, C. (2011). Association between retinal thickness measured by spectral-domain optical coherence tomography (OCT) and rod-mediated dark adaptation in non-exudative age-related maculopathy. *British Journal of Ophthalmology*, 95(10), 1427-1432. doi:[10.1136/bjo.2010.190355](https://doi.org/10.1136/bjo.2010.190355)
- Seker, R., Aktunc, O., **Ozaydin, B.**, Tanik, M. M., Jololian, L. (2004). Pervasive Shannon Metrics and Component-Based Software. *International Journal of Computer and Information Science (IJCIS)*, 5(1).

Book Chapter

- Ozaydin, B.**, Hardin, J., Chhieng, D. C. (2016). Data Mining and Clinical Decision Support Systems. In E. S. Weiss (Ed.), *Clinical Decision Support Systems: Theory and Practice* (3 ed., pp. 45-68). Switzerland: Springer International Publishing.

Refereed Letter to the Editor

- Berner, E., **Ozaydin, B.** (2017). Letter to the Editor in response to: Cabitza F, Rasoini R, Gensini GF. Unintended consequences of Machine Learning in Medicine, *JAMA*, July 20, 2017, E1-2. doi:[10.1001/jama.2017.7797](https://doi.org/10.1001/jama.2017.7797). *Journal of American Medical Association –JAMA*, 2017;318(23):2353–2354.

Refereed Journal Publication as Contributor

Sample, P. A., Girkin, C. A., Zangwill, L. M., Jain, S., Racette, L., Becerra, L. M., Weinreb, R. N., Medeiros, F. A., Wilson, M. R., De Leon-Ortega, J., Tello, C., Bowd, J. M., Liebmann, J. M. (2009). The African descent and glaucoma evaluation study (ADAGES): Design and baseline data. *Archives of Ophthalmology*, 127(9), 1136-1145. doi:[10.1001/archophthalmol.2009.187](https://doi.org/10.1001/archophthalmol.2009.187)

Refereed Conference Presentations and Publications

Zengul, F., **Ozaydin, B.**, Ramamonjivarivelo, Z., Epame, J. P., & McRoy, L. (2019, August 9-13). Hospital Technology and Expenses: Do Different Measures of High-Tech Services Matter?. In *Academy of Management Annual Meeting*. Boston, MA.

Ozaydin, B., Feldman, S., & Manne, U. (2018, August 16-18). Design of a Colorectal Cancer Data Warehouse. In *Americas Conference on Information Systems*. New Orleans, LA

Ozaydin, B., Zengul, F., & Feldman, S. (2018, June 17-20). Text-Mining Analysis of Research at the Intersections of Healthcare Quality and Safety, Informatics, and Simulation. In *INFORMS International Conference*. Taipei, Taiwan.

Zengul, F., **Ozaydin, B.**, Modhi, S., & Feldman, S. (2018, June 17-20). Health Informatics, Quality and Patient Safety, and Simulation: A Systematic Review. In *INFORMS International Conference*. Taipei, Taiwan.

Ozaydin, B., Feldman, S., Zengul, F. D., Oner, N. (2017, July 25-28). A Data Warehouse of Health Services Administration Related Databases. In *the Institute for Operations Research and the Management Sciences (INFORMS) Healthcare 2017*. Rotterdam, Netherlands.

Zengul, F. D., Weech-Maldonado, R., Hearld, L. H., **Ozaydin, B.**, Patrician, P., Savage, G. T. (2014, November). High Technology Medical Services and Quality of Care at U.S. Hospitals. In *Southern Management Association*. Savannah, Georgia.

Ozaydin, B., Tanik, M. M. (2010, June). Modeling and Analysis of Systems: An Information Theoretical Approach. In *Proceedings of Integrated Design and Process Technology (IDPT)*. Dallas, TX.

Seker, R., Tanik, M. M., Jannett, T. C., **Ozaydin, B.** (2002, June). A New Approach to the Information Channel: Fourier Series. In *Proceedings of Integrated Design and Process Technology (IDPT)*. Pasadena, CA.

Seker, R., Tanik, M. M., **Ozaydin, B.**, Ozturk, E. (2000, June). Analysis of N-Queens Solutions Using Chebyshev Polynomials. In *Proceedings of Integrated Design and Process Technology (IDPT)*. Dallas, TX.

Refereed Poster Presentations

Carrol, N., Baidwan, N., **Ozaydin, B.**, Puro, N., Schmidt, J. (2019, November). *Analyzing workers' compensation claims and costs incurred across a spectrum of occupations and states*. American Public Health Association Annual Meeting and Expo. Philadelphia, PA.

Behring, M., Hale, K., **Ozaydin, B.**, Manne, U. (2019, January). *Ethical Considerations for Observational Cancer Health Disparity Research*. Second Conference on Bioethics: Issues in Minority Health and Health Disparities Research. Tuskegee, AL.

Zengul, F., Berner, E. S., Lemak, C., Oner, N., **Ozaydin, B.**, Delen, D. (2018, June). *Revealing the Themes and Trends in Health Services Policy Research: A Text-Mining Approach*. Academy Health. Washington, D.C.

Ozaydin, B., Feldman, S., McNeill, L., Dorsey, A., Bruck, M., Weiss, E. (2017, Nov 4-8). *Innovative Approaches in Informatics Education*. American Medical Informatics Association (AMIA) 2017 Annual Symposium. Washington, D.C.

Zengul, F. D., **Ozaydin, B.** (2016, October). *Using SQL-Based Data Warehouse to Determine the Association between Capital Investments in Hospital Physical Infrastructure and Patient Quality Perception*. Poster session for UAB FDGP Awardees. Birmingham, AL.

Zengul, F. D., Weech-Maldonado, R., Hearld, L. H., Patrician, P. A., Savage, G. A., **Ozaydin, B.** (2014, June). *A Longitudinal Analysis of High Technology Medical Services and Hospital Financial Performance*. Academy Health Annual Research Meeting. San Diego, CA.

- Zengul, F. D., Weech-Maldonado, R., Hearld, L. H., Patrician, P. A., Savage, G. A., **Ozaydin, B.** (2014, June). *A Longitudinal Analysis of High Technology Medical Services and Quality of Care at U.S. Hospitals*. Academy Health Annual Research Meeting. San Diego, CA.
- Clark, M. E., McGwin, G., Girkin, C. A., **Ozaydin, B.**, Neely, D., Mason, J. O., White, M. F., Feist, R, Thomley, M., Owsley, C. (2009, May). *Association Between Retinal Thickness as Measured by High Definition, Spectral Domain OCT and Dark Adaptation in Age-Related Macular Degeneration*. Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting. Fort Lauderdale, FL. no. 5258/A119
- DeLeon-Ortega, J. E., McGwin, G., **Ozaydin, B.**, Girkin, C. A. (2007, May). *Peripheral and Central Visual Function and Quality of Life in Patients with Advanced Glaucoma*. Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting. Fort Lauderdale, Florida. no. 4451

Workshop Development and Presentation

- Zengul, F., Mehta, T., **Ozaydin, B.**, Thirumalai, M. (2017, November). Rigor, Reproducibility, and Transparency (R2T): Discovering Convergence Solutions from Present to Design a Better Future. In *22nd Annual SDPS Conference on Convergence Solutions*. Birmingham, AL.
- Ozaydin, B.**, Zengul, F, Slovensky D., Malvey D., Neigel A. (2016, December). Health Data Life Cycle, Systems Around It, and mHealth. In *21st Annual SDPS Conference on Emerging Trends and Technologies in Designing Healthcare Systems*. Orlando, FL.

Invited Talks

- Zengul, F. D., **Ozaydin, B.** (2014, November 20). High Technology Services and 30 Day Mortality Rates in American Hospitals. In *5th International Congress on Healthcare Quality and Performance*. Antalya, Turkey.
- Ozaydin, B.** (2013, May 2). The Importance of Data Collection and Quality in Establishing Effective and Quality Measurement Culture. In *4th International Conference on Healthcare Performance and Quality*. Ankara, Turkey.

Other Presentations

- Compton, D. **Ozaydin, B.**, Zengul, F. D., (2019, February 6). Health Data Journey and Incorporating the CMS Medicare Cost Report Data into Health Services Research Data Infrastructure. At *UAB HSA PhD Seminar Series*.
- Compton, D. **Ozaydin, B.**, Zengul, F. D., (2019, January 4). Incorporating the CMS Medicare Cost Report data into Health Services Research Data Warehouse. At *UAB Informatics Institute PowerTalk Seminar Series*.
- Ozaydin, B.**, Zengul, F. D., Feldman, S. (2017, April 20). Building a Data Warehouse and Data Mining Infrastructure for Health Services Research. At *Coordinated Work-in-Progress (WIP) Seminars in Health Services, Outcomes, and Policy Research*.
- Ozaydin, B.**, Zengul, F. D., Feldman, S. (2017, April 10). Building a Data Warehouse and Data Mining Infrastructure for Health Services Research. At *UAB COLLAT School of Business MISQ Colloquium Series*.

Technical Reports

- Seker, R., **Ozaydin, B.**, Tanik, M. M. (2001). Algebraic Structures, Complex Numbers, and Vectors. Tech. Rep. 2001-04-ECE-001, UAB.
- Ozaydin, B.**, Seker, R., Tanik, M. M. (2001). Uniform Polygons, Chebyshev Polynomials, N-Queens Solutions. Tech. Rep. 2001-04-ECE-002, UAB.
- Seker, R., **Ozaydin, B.**, Tanik, M. M. (2001). Polygons and Fourier Series. Tech. Rep. 2001-07-ECE-004, UAB.
- Seker, R., **Ozaydin, B.**, Tanik, M. M. (2001). A Relationship between Fourier Series and Communication Channel. Tech. Rep. 2001-08-ECE-008, UAB.
- Ozaydin, B.**, Tanik, M. M., Seker, R. (2001). Fourier Series and Bohr's Atomic Model. Tech. Rep. 2001-10-ECE-010, UAB.
- Seker, R., **Ozaydin, B.**, Tanik, M. M. (2001). On the Relationship between Shannon's Information Channel and Fourier Series. Tech. Rep. 2001-10-ECE-014, UAB.

Manuscripts under Preparation

Ozaydin, B., Zengul F. D., Oner, N., Feldman, S. (2019). Healthcare Research and Analytics Data Infrastructure Solution (HRADIS): A Data Warehouse for Health Services Research. *Health Services Research (ready for submission)*.

Puro, N., **Ozaydin, B.**, Zengul F. D., Berner, E. (2019). Systematic Literature Review of Remote Monitoring Tools for Patients with Multiple Chronic Conditions. *Not Identified (writing)*.

Ozaydin, B., Tanik, M. M., "An Information Theoretical Modeling and Analysis of Systems"

Complete List of Published Work in MyBibliography

<http://www.ncbi.nlm.nih.gov/sites/myncbi/1XUubah5styOg/bibliography/49844263/public/?sort=date&direction=ascending>

GRANTS

NIH funded UAB Diabetes Research Center Grant - Cardiometabolic Disease Staging System to Improve Medical Management of Obesity and Diabetes in Primary Care Settings: A Feasibility Study, UAB DRC, PI: Mehta, T., Role: **Co-Investigator**, 06/01/2019—05/31/2020.

U54CA118948 - Morehouse School of Medicine/Tuskegee University/University of Alabama Cancer Center Partnership - Colorectal Cancer in Chronic Kidney Disease: Addressing Disparities in Alabama and Mississippi, NCI, PI: Manne, U., Role: **Co-Investigator**, 09/23/2016—08/31/2021.

NSF1624690 - UAB Site Phase 2: National Science Foundation (NSF) Industry/University Cooperative Research Center (I/UCRC) for Center for Health Organization Transformation, NSF, PI: Weech-Maldonado, R., Role: **Involved with four projects, PI on one**, 07/15/2016—06/30/2020.

Internal Faculty Development Grant - Using SQL-Based Data Warehouse to Determine the Association between Capital Investments in Hospital Physical Infrastructure and Patient Quality Perceptions, UAB, PI: Zengul, F. D., Role: **Co-Investigator**, 08/01/2015—07/31/2016.

Perioperative Surgical Home Model: Improving the Quality, Outcomes, and Efficiency of Patient Care, PCORI, PI: Pittet, J. F., Role: **Co-Investigator**, 04/04/2013.

EY014267 - African Descent and Glaucoma Evaluation Study (ADAGES), NIE, PI: Sample, P., Role: **Database Analyst**, 09/30/2002—08/31/2011.

EY015559 - Improving the Quality of Diabetes Eye Care, NIE, PI: Paul, Role: **Database Analyst**, 09/30/2003—08/31/2007.

EY014267 - African Americans with Glaucoma: Structure and Function, NIE, PI: Sample, P., Role: **Database Analyst**, 09/30/2002—08/31/2007.

EY014071 - Clinical Vision Research Unit at UAB, NIE, PI: Owsley, C., Role: **Database Analyst**, 04/01/2002—03/31/2007.

GRANT PROPOSALS

R21CA243128 - Development of Colorectal Cancer Research Data Infrastructure, NCI, **PI: Ozaydin, B.**, Submitted in Nov-2018 (*Not Funded*).

R21MD013740 - A Social Determinants of Health Decision Support Tool: Impact on Quality of Life and Repeat Hospitalizations Among Diverse Newly Discharged Patients, NIH, PI: Hall, A., Role: **Co-Investigator**, Submitted in Apr-2018 (*Not Funded*).

University of Alabama at Birmingham Health Information Technology Workforce Research Center, DHHS, PI: Feldman, S., Role: **Co-Investigator**, Submitted in Jan-2017 (*Not Funded*).

R01AG056291 - Integrated Chronic Care Management System for Real-time Monitoring and Clinical Decision Support, NIH, **PI: Ozaydin, B.**, Submitted in Sep-2016 (*Not Funded*).

Developing and Commercializing a Smart Nurse Staffing System for Long Term Care Facilities, NSF STTR – Techway Health, PI: Savage, G., Role: **Co-Investigator**, Submitted in Jun-2016 (*Not Funded*).

Internal Deep South Center for Occupational Health and Safety Grant - Improving Performance to Improve Occupational and Patient Safety in Nursing Homes, UAB, **PI: Ozaydin, B.**, Submitted in Mar-2016 (*Not Funded*).

Internal Center for Teaching and Learning (CTL) Grant - Using Media Recording Assignments (MRAs) to Enhance Students' Perceptions of Team Work: Strategic Steps of a Team-Based Innovation, UAB, PI: Zengul, F. D., Role: **Co-Investigator**, Submitted in 2015 (*Not Funded*).

SERVICE

Grant Review Activity

<i>Einstein Foundation, Einstein Junior Fellow Grant</i>	Aug. 2018 – Sep. 2018
<i>NIH National Library of Medicine (NLM) Special Emphasis Panel</i>	Mar. 2018 – Present
<i>UAB CCTS Panels Done Quickly</i>	Sep. 2017 – Present

Editorial Activity

<i>Associate Editor: Health Systems Journal Special Issue on "Health Informatics, Healthcare Quality and Safety, and Healthcare Simulation: The New Triad to Advance Healthcare Operations"</i>	Jun. 2018 – Nov. 2019
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Referee Activity

<i>International Medical Informatics Association Yearbook</i>	Feb. 2018 – Present
<i>Evaluation & Health Professions Journal</i>	Apr. 2016 – Present
<i>Anesthesia & Analgesia Journal</i>	Mar. 2016 – Present
<i>Journal of Integrated Design and Process Science</i>	Sep. 2015 – Present
<i>American Medical Informatics Association (AMIA) Annual Symposium</i>	Mar. 2016 – Present
<i>Society for Design and Process Science (SDPS) Conference</i>	Sep. 2015 – Present
<i>IEEE Semantic Computing Conference: Systems and Applications track</i>	2008

Committee Activity

<i>UAB Dept. of Health Services Administration</i>	
Member: HI Scholarship Committee	May. 2019 – Present
Member: HI Admissions Committee	May. 2019 – Present
Member: HI Curriculum Committee	May. 2019 – Present
Member: HI Comprehensive Exam Committee	May. 2019 – Present
Member: Faculty Search Committee	Apr. 2019 – Present
Member: Faculty Profiles Data Dictionary Documentation Committee	Feb. 2017 – May. 2017
Member: Faculty Search Committee	Mar. 2016 – Aug. 2016
Member: MSHI Program Academic Lead Search Committee	Oct. 2015 – Jun. 2016
<i>UAB Dept. of Anesthesiology</i>	
Member: Quality Improvement Committee	Jun. 2012 – May 2015
Member: Section on Quality and Patient Safety	Aug. 2014 – May 2015
<i>Society for Design and Process Science (SDPS)</i>	
Member: Next Generation Leadership Committee	May. 2012 – Present

Doctoral Student and Post-Doctoral Mentorship Activity

Michael Behring, Ph.D. UAB Department of Nutrition Science (NCI-T32CA047888) the Cancer Prevention and Control Training Program (CPCTP), Postdoc Training Co-Mentor **Feb. 2019 – Present**

Gia Pittet, Ph.D. in Health Services Administration, UAB, Dissertation Committee Chair **Aug. 2018 – Present**

Levent Onat, Ph.D. in Interdisciplinary Engineering, UAB, Dissertation Committee Member **May. 2017 – Aug. 2018**

Akbar Ghiasi, Ph.D. in Health Services Administration, UAB, Research/Teaching Mentor **Aug. 2016 – Aug. 2017**

Conference Organization Activity

Society for Design and Process Science (SDPS) 2017 Conference, Dallas, TX

Member: Program Committee

Mar. 2017 – Nov. 2017

UAB Dept. of Health Services Administration Preceptor's Conference

Volunteer: Application Developer

Jan. 2016 – Present

Society for Design and Process Science (SDPS) 2000 Conference, Dallas, TX

Volunteer: Conference Organizer

Jan. 2000 – Jul. 2000

Conference Session Chair

American Medical Informatic Association (AMIA) 2018 Annual Symposium, San Francisco, CA

S94: Oral Presentation - Data Models and Warehouses

Nov.6, 2018

2018 INFORMS International Conference, Taipei, Taiwan

TB19: Data and Literature: A Quality and Informatics Perspective

Jun.19, 2018

AWARDS

University of Alabama at Birmingham

President's Award for Diversity

2007

Society for Design and Process Science (SDPS) 2000 Conference, Dallas, TX

Service Award

2000

MEMBERSHIPS

Society for Design and Process Science –SDPS– (since 2000)

Institutional Review Board –IRB– (since 2005)

Healthcare Information and Management Systems Society –HIMSS– (since 2015)

American Medical Informatics Association –AMIA– (since 2015)

The Institute for Operations Research and the Management Sciences –INFORMS– (since 2017)

Association for Information Systems –AIS– (since 2017)

CERTIFICATIONS AND TRAINING

Institutional Review Board –IRB– (since 2005)

Health Insurance Portability and Accountability Act–HIPAA– (since 2005)

Financial Conflict of Interest in Research –CIRB– (since 2012)

Team-Based Learning –TBL– (11/12/2015)

Family Educational Rights and Privacy Act –FERPA– (since 2016)

Mentor Training Program at UAB Mentoring Week, April 18-22, 2016