CURRICULUM VITAE

Date of Revision: 2/7/2018

Name: Fuad Abujarad, M.Sc., Ph.D.
Appointment: Assistant Professor, Department of Emergency Medicine
School: Yale University School of Medicine

Dr. Abujarad's primary research area is in Health Information Technology (HIT). Dr. Abujarad's work is innovative in its uses and the way it supports HIT research. His specific research interests focus on the area of mobile-health technology, human-computer interaction, elder mistreatment, informed consent, system development, and systems that provide real-time background searches. His overarching aim is to apply his in-depth knowledge and methodological expertise to address major health disparities in vulnerable populations by developing technologies that optimize the human interface of complex systems. Currently, the Agency for Healthcare Research and Quality (AHRQ) and the Center for Medicare, Michigan Health Endowment Fund (MHEF), and Robert Wood Johnson Foundation (RWJF), among others, are funding his research to enhance quality of care, reduce disparities and improve patient safety.

Dr. Abujarad is currently the Principal Investigator (PI) on an R21 grant "Patient Centered Virtual Multimedia Interactive Informed Consent (VIC)" funded by AHRQ to utilize mobile-health in developing and testing a web-based, patient centered, virtual, multimedia, and interactive informed consent process. The VIC system will enhance the quality of care and patient safety, as it will improve patient comprehension in the informed consent process. Also, he is the PI on the "Health Information Technology to Prevent Abuse, Neglect, and Exploitation" for older adults and children from Michigan Dept. of Licensing and Regulatory Affairs – LARA and Yale-PI on grant from Robert Wood Johnson Foundation (RWJF) to test community complex care response team to improve geriatric public health outcomes and Yale-PI on grant from Michigan Health Endowment Fund (MHEF) to develop an integrated model for personal assistants' research and training. Co-Investigator on the grants "Automated Bilingual Computerized Alcohol Screening & Intervention in Latinos" from National Institutes of Health (NIH), and a K01 "Development and Evaluation of a Decision Analysis Based Decision Aid" and K08 "Clinical Decision Support for Mild Traumatic Brain Injury" from AHRQ.

Dr. Abujarad's work focuses on both the theoretical aspects of the software development as well as on building patient-centered tools. His work was inspired by the observation in distributed computing called fault-tolerance. Moreover, as part of software engineering, it is often necessary to modify a program to add fault-tolerance to faults that were not considered in the original design. With this understanding, he developed new algorithms for automated synthesis in addition to parallelizing existing algorithms. He has contributed to the advancement in the field of automated synthesis. He co-authored a book chapter titled Stabilizing Interference-Free Slot Assignment for Wireless Mesh Networks in Guide to Wireless Mesh Networks. He has published and presented widely in the tier one journals for engineering on automated model revision topics.

Dr. Abujarad published and presented widely on human-computer interaction and automated model revision topics. He was the PI on the "Michigan Workforce Background Check-Enhancement Project" from CMS. He was the principal investigator on a federally funded research project that applied engineering principles to improve the safe administration of opioids in patient-controlled analgesia in both inpatient and home-based primary care settings. Also, he was the Yale-PI on the development of the Delaware Background Check System for the Delaware Health and Social Services Department.

Education:

B.Sc.	Eastern Mediterranean University (EE Engineering) 1993
M.Sc.	Michigan State University (Computer Science and Engineering) 2005
Ph.D.	Michigan State University (Computer Science and Engineering) 2010

Academic Appointments:

2005-08	Research Assistant – System Architect, Office for Research, College of Communication Arts and Science; Michigan State University, East Lansing, MI
2008-10	Research Assistant – System Architect & Programmers' Team Leader for Usability & Accessibility Center, University Outreach and Engagement, Michigan State University, East Lansing, MI
2005-10	Graduate Assistant – Department of Computer Science and Engineering; Michigan State University, East Lansing, MI
2011-12	Research Scientist – Informatics Research Section-West Haven Veteran's Administration, West Haven, CT
2010-15	Associate Research Scientist –Department of Emergency Medicine, Yale University School of Medicine, New Haven, CT
2015-present	Assistant Professor –Department of Emergency Medicine, Yale University School of Medicine, New Haven, CT

Professional Honors & Recognition:

International/National/Regional

2018	University Outreach and Engagement Research Affiliate, MSU
2011	NIH 2011 mHealth Winter Training Institute, Washington, DC
2009	Awarded student travel grant, Logical Aspects of Fault-Tolerance, UCLA
2006	Merit of Achievements, CAS, Michigan State University, USA
2004-2006	Fulbright Fellowship
1990-1993	High Honor Scholarship, Eastern Mediterranean University. Famagusta, N. Cyprus

Grant/Clinical Trials History:

Current Grants

Agency: Michigan Health Endowment Fund (MHEF)
ID#: R-1608-140357
Title: "An Integrated Model for Personal Assistants Research and Training (IMPART)"
Yale P.I.: Fuad Abujarad, Ph.D.
Percent effort: 20% Yr 1; 15% Yr 1;
Direct costs per year: $53,290 Yr 1; $43,207 Yr 2
Total costs for project period: $96,497
Project period: 12/01/2017 – 11/30/2018

Agency: Dept. The Department of Licensing and Regulatory Affairs – LARA/MSU Fiduciary
ID#: BCHS/MSU FY17; RC106579
Title: "Health Information Technology to Protect Children, and Prevent Child Abuse and Neglect."
Yale P.I.: Fuad Abujarad, Ph.D.
Percent effort: 10% Yr 1

Direct costs per year: $42,000 Yr 1
Total costs for project period: $42,000
Project period: 09/01/2016 – 09/30/2017

Agency: Robert Wood Johnson Foundation (RWJF)
I.D.#: 73692; RC106153-YU
Title: "Testing of a Community Complex Care Response Team to Improve Geriatric Public Health Outcomes"
Yale P.I.: Carolyn E. Ziminski Pickering, R.N., Ph.D.
Percent effort: 7% Yr1; 10% Yr2
Direct costs per year: $12,576 Yr 1; $17,404 Yr 2
Total costs for project period: $249,998
Project period: 7/1/2016-6/30/2018

Agency: AHRQ
I.D.#: 1K01HS023900-01
Title: "Development and Evaluation of a Decision Analysis Based Decision Aid"
P.I.: Shi-Yi Wang, M.D., Ph.D.
Role on Project: Co-investigator
Total costs: $753,538
Project period: 04/01/2015 – 03/31/2020

Agency: AHRQ
ID#: 1R21HS023987-01
Title: "Patient Centered Virtual Multimedia Interactive Informed Consent (VIC)"
P.I.: Fuad Abujarad, Ph.D.
Percent effort: 20% Yr 1; 20% Yr 2; 20% Yr 3
Direct costs per year: $90,090
Total costs for project period: $300,000
Project period: 05/01/2015 – 04/30/2018

Agency: Dept. The Department of Licensing and Regulatory Affairs – LARA/MSU Fiduciary
ID#: BCHS/MSU FY17; CFDA No. 93.596
Title: "Health Information Technology to Prevent Abuse, Neglect, and Exploitation"
Yale P.I.: Fuad Abujarad, Ph.D.
Percent effort: 53.68% Yr 1; 37% Yr 2; 50% Yr 3; 25% Yr4; 25% Yr5; 25% Yr6; 31% Yr7
Direct costs per year: $73,983 Yr 1; $166,422 Yr 2; $148,860 Yr 3; $73,983 Yr 4; $64,915 Yr5; $64,915 Yr6; $67,291 Yr7
Total costs for project period: $660,369
Project period: 09/01/2010 – 09/30/2017

Agency: National Institute on Alcohol Abuse and Alcoholism (NIAAA)
I.D.# 5R01AA022083
Title: "Automated Bilingual Computerized Alcohol Screening & Intervention in Latinos"
P.I.: Federico Vaca, M.D.
Role on Project: Co-investigator
Percent effort: 5% Yr1; 2% Yr2; 2% Yr 3; 2% Yr 4; 3% Yr 5
Direct costs per year: Yr 1 $ 39,2211; Yr 2; $360,699 Yr 3; $36,9491 Yr 4; $369,456 Yr 5 $395,249
Total costs for project period: $3,142,032

Project period: 6/1/2014-5/31/2019

Agency: AHRQ
I.D.# 1K08HS021271-01
Title: "Clinical Decision Support for Mild Traumatic Brain Injury"
P.I.: Edward Melnick, M.D.
Role on Project: Co-investigator
Percent effort: 6% Yr 2; 8% Yr 3; 8% Yr 4; 6% Yr 5
Direct costs per year: $142,851 Yr 1; $143,455 Yr 2; $143,854 Yr 3; $144,048 Yr 4; $144,555 Yr 5
Total costs for project period: $775,704
Project period: 4/1/2013-3/31/2018

Agency: NIDA
I.D.# 1K12DA033312-01A1
Title: "Yale-Drug Abuse, Addiction, and HIV Research Scholars (Yale-DAHRS)"
P.I.: Gail D'Onofrio, M.D./Patrick O'Connor, M.D.
Role: Collaborating Faculty
Percent effort: no salary support
Direct costs per year: $498,269 Yr 1; $499,634 Yr 2; $499,099 Yr 3; $499,786 Yr 4; $499,677 Yr 5
Total costs for project period: $2,682,982
Project period: 4/1/2013-3/31/2018
Role: Collaborating Faculty

Grants Under Review

Agency: NIA
Title: R01-"Feasibility Virtual cOaching in making Informed Choices on Elder Mistreatment Self-Disclosure (VOICES)"
P.I.: Fuad Abujarad, Ph.D.
Percent effort: 20% Yr 1; 20% Yr 2
Direct costs per year: $250,000
Total costs for project period: $1,000,000
Project period: 07/01/2017 – 06/30/2019

Past Grants

Agency: Department of Health and Human Services Center for Medicare and Medicaid Ser. (CMS)
ID#: 1A1CMS331188-0-00
Title: "Michigan Workforce Background Check – Enhancement"
P.I.: Fuad Abujarad, Ph.D.
Percent effort: 35% Yr 1; 35% Yr 2; 32% Yr 3; 32% Yr 4
Direct costs per year: $156,330
Total costs for project period: $468,911
Project period: 10/01/2013 – 05/19/2017

Agency: Agency for Health Research Quality (AHRQ)
I.D.#: 1R01HS018420-01 - GRANT10202160
Title: "ED Disability Diagnostic Tool: an HIT Feasibility Study"
P.I.: Lori Post, Ph.D.
Role on Project: Co-investigator

Percent effort: 50.56% Yr 1; 8.33% Yr 2; 1% Yr 3; 1% Yr5
Direct costs per year: $301,205 Yr 1; $302,114 Yr 2; $299,283 Yr 3
Total costs for project period: $2,485,013
Project period: 08/01/2010 - 05/31/2015

Agency: Washington State Department of Social & Health Services
Title: "Criminal History System (CHS)"
Role: Yale Principal Investigator
Percent effort: 38% Yr 1; 30% Yr 2
Direct costs per year: $884,267
Total costs for project period: $1,491,169
Project period: 05/01/2013 – 03/01/2015

Agency: State of Maine Department of Health and Human Services
Title: "Maine Background Check Program (MEBCP)"
Role: Yale Principal Investigator
Percent effort: 15% Yr 1
Direct costs per year: $1,350,000
Total costs for project period: $1,350,000
Project period: 01/01/2014 – 09/30/2014

Agency: Delaware Health and Social Services
I.D.#: UBI-603269137
Title: "Delaware Background Check System"
Role: Yale Principal Investigator
Percent effort: 51.67% Yr 1; 21.25% Yr 2
Total costs for project period: $1,473,779
Project period: 08/01/2011 – 05/31/2013

Agency: New England Veterans Engineering Resource Center
I.D.#: Veterans Administration VISN 1 Med Care
Title: "Engineering principles to improve the safe administration of opioids by Patient-Controlled Analgesia in both inpatient and home-based primary care settings."
P.I.: Fuad Abujarad, Ph.D.
Percent Effort: 20%
Total costs for project period: $24,120
Project period: 3/15/2011-3/15/2012

Agency: Michigan Department of Community Health (MDCH)
I.D.#: MDCH-11-P-93042
Title: "Background System Expansion and Transition"
P.I.: Sarah J. Swierenga, Ph.D.
Role on Project: System Architect
Percent Effort: 55%
Total costs per project period: $433,110
Project period: 10/01/2008-09/30/2009

Agency: Michigan Department of Community Health (MDCH)

I.D.#: MDCH-20080000
Title: "Background System Expansion and Transition″
P.I.: Post, Lori, Ph.D.
Role on Project: System Architect
Percent Effort: 55%
Total costs per project period: $533,068
Project period: 10/01/2007-09/30/2008

Agency: U.S. Dept. of Health and Human Services
I.D.#: 11-P-93042/5
Title: "Michigan Program for Background Checks for Employees with Direct Access to Individuals Who Require Long-Term Care″
P.I.: Post, Lori, Ph.D.
Role on Project: System Architect
Percent Effort: 50%
Total costs per project period: $4,347,697
Project period: 1/1/2005-12/31/2007

Invited Seaking Engagment & Peer-Reviewed Presentations & Symposia Given at Meetings Not Affiliated With Yale:

2018: Poster Presentation Accepted, mHealth Technology Showcase Committee, Bethesda, MD.
2018: Poster Presentation Accepted, Academy of Health, Seattle, WA. 2018.
2018: Poster Presentation Accepted, mHealth and Social Media Conference, Storrs CT. 2018.
2018: E-Referral for Community Complex Care Response Team to Improve Geriatric Public Health Outcomes, National Science Foundation (NSF), Research Coordination Network (RCN) Workshop, Oral Presentation, Stony Brook, NY. 2018.
2017: Building an Informed Consent Tool Starting with the Patient: The Patient- Centered Virtual Multimedia Interactive Informed Consent (VIC), American Medical Informatics Association (AMIA) 2017 Annual Symposium, Full Paper Presentation, Washington, D.C. 2017.
2017: mHealth Tool for Patient-Centered Informed Consent Communication, International Conference on Communication in Healthcare & Health Literacy Annual Research Conference (AACH), Oral Abstract Presentation, Baltimore, Maryland, 2017.
2017: Improving the Informed Consent Dialogue in the Healthcare Space: Development and Usability of the VIC mHealth Tool. Poster Presentation, AcademyHealth's Annual Research Meeting, New Orleans, LA. 2017.
2017: mHealth Informed Consent Tool, Poster Presentation, 1st Annual UMass mHealth and Social Media Conference, Poster Presentation Worcester, MA. 2017.
2016: National Background Check Program 6th Annual Meeting, Paper Presentation, Annapolis, MD 2016.
2015**:** mHealth as a Means to Address Health Disparities in Alcohol Use Disorders Among Spanish Speaking Latino ED Patients. Poster Presentation, The New England Regional SAEM conference, Boston, MA. 2015.
2015**:** mHealth Tool for Alcohol Use Disorders Among Latinos in Emergency Department. Poster Presentation, The International Symposium on Human Factors and Ergonomics in Health Care: Improving the Outcomes, Baltimore, MD. 2015.
2015: Paper Presentation, The 17th International Conference on Human-Computer Interaction, Los Angeles, CA.
2015: Poster Presentation, Health-Care Symposium by The Human Factors and Ergonomics Society, Baltimore, MD.

2015: Poster Presentation, The New England Regional SAEM conference, Boston, MA.
2015: Invited speaker, Informatics fellow seminar, VA.
2014**:** Real-Time Screening to Improve Patient Safety in Long-term Care. Poster Presentation, The International Symposium on Human Factors and Ergonomics in Health Care: Improving the Outcomes, Chicago, IL. 2014.
2011: mHealth Winter Institute, National Harbor, MD.
2010: 12th International Symposium on Stabilization, Safety, and Security of Distributed Systems (SSS 2010), New York, NY: Complexity Issues in: "Automated Model Revision Without Explicit Legitimate State."
2009: 11th International Symposium on Stabilization, Safety, and Security of Distributed Systems, Lyon, France: "Automated Addition of Nonmasking and Stabilizing Fault-Tolerance."
2009: The 28th IEEE Symposium on Reliable Distributed Systems, Niagara Falls, NY: "Constraint Based Automated Synthesis of Nonmasking and Stabilizing Fault-Tolerance."
2009: Workshop on Logical Aspects of Fault Tolerance, UCLA, Los Angeles, CA: "Incremental Specification-Based Automated Program Revision."

Peer-Reviewed/Presentations & Symposia Given at Meetings Affiliated With Yale:

2018: Poster Presentation Accepted, Yale Innovation Summit, New Haven, CT.
2016: Poster Presentation, 2016 Yale Technology Summit
2016: Invited speaker at Speaker, Cancer Outcomes, Public Policy and Effectiveness Research Center (COPPER)
2016: Invited speaker at mYale, mHealth Research Group (include: School of Medicine, School of Public Health, School of Nursing)
2016: Invited speaker at , Informatics Fellow Seminar at the VA
2017: Invited Lectutrer at Topics in Biomedical Informatics and Data Science CBB 750

Professional Service

Conferences and Scientific Meetings Organizations:

2017: Selected to serve Executive Advisory Board Proqis connected healthcare conference 2018.
2017: Selected to serve Co-Chair at the 4th International Conference on HCI in Business, Government, and Organizations. Vancouver, Canada 2017

Grant Review Services:

2017: Ad-hoc member, Agency for Healthcare Research and Quality's (AHRQ) Healthcare Information Technology Research (HITR) Study Section.
2016: Ad-hoc member, Agency for Healthcare Research and Quality's (AHRQ) Healthcare Information Technology Research (HITR) Study Section.
2015: Selected as a reviewer for Journal of Biomedical Informatics (JBI).
2015: Selected to serve the National Science Foundation (NSF) on a review panel.
2015: Ad-hoc member, Agency for Healthcare Research and Quality's (AHRQ) Healthcare Information Technology Research (HITR) Study Section.
2015: Selected for the Editorial Board of "Health Sciences Research."
2014: Selected as a reviewer for International Journal of Wireless Communications, Networking and Mobile Computing.
2014: Selected as a reviewer for American Journal of Public Health.

2014: Selected as a reviewer for American the Journal of Computer Science and Information Engineering.
2014: Selected for the Editorial Board of Emergency Medicine - Open Journal.

Journal Service:

Reviewer

2008-present Reviewer for *Journal of Biomedical Informatics (JBI), Journal of Theoretical Computer Science, Journal of Parallel and Distributed Computing, International Conference on Distributed Computing Systems (ICDCS), Symposium on Self-stabilization (SSS), Emergency Medicine - Open Journal, Journal of Computer Science and Information Engineering, Health Sciences Research*

Professional Service for Professional Organizations:

2017: Selected reviewer for the American Medical Informatics Association (AMIA) 2017 Annual Symposium.
2017: Reviewed and Evaluated Physician Associate thesis for the Yale University - MEDSTU Physician Associate Program.
2016: Mentor at 2017 Yale Health Hackathon.

Society for Academic Emergency Medicine (SAEM)

2014-2017 Member, SAEM Web Evolution Committee
2014-2017 Member, SAEM Research Committee

Bibliography:

Peer-Reviewed Original Research (Journal Publications)

1. **Abujarad F** and Kulkarni SS. Weakest Invariant Generation for Automated Addition of Fault-Tolerance. *Electronic Notes in Theoretical Computer Science (ENTCS).* 2009; 5873:3-15.

2. **Abujarad F** and Kulkarni SS. Automated Constraint-Based Addition of Nonmasking and Stabilizing Fault-Tolerance. *Journal of Theoretical Computer Science*. 2011; 412(33): 4228-4246.

3. Bonakdarpour B, Kulkarni SS, and **Abujarad F**. Symbolic Synthesis of Masking Fault-tolerant Distributed Programs. *Springer Journal of Distributed Computing.* 2012; 25(1): 83-108.

4. Chen J, **Abujarad F**, Kulkarni SS. Towards scalable model checking of self-stabilizing programs. *Journal of Parallel and Distributed Computing*. 2013; 73(4): 400-410.

5. **Abujarad** F, Lin Y, Bonakdarpour B, Kulkarni SS. The complexity of automated addition of fault-tolerance without explicit legitimate states. *Springer journal of Distributed Computing (DC),* 2014-8: 1-19

6. Melnick, E, Lopez, K, Hess, E, **Abujarad, F**, Brandt, C, Shiffman, R, and Post, L, *Back to the Bedside: Developing a Bedside Aid for Concussion and Brain Injury Decisions in the Emergency Department*. (2015) eGEMs (Generating Evidence & Methods to improve patient outcomes): Vol. 3: Iss. 2, Article 6. Available at: http://repository.academyhealth.org/egems/vol3/iss2/6

7. Post, L. A., Conner, T. L., Oehmke, J. F. **Abujarad, F**., Cooney, L. M., Brandt, C., Page, C., Swierenga, S. J., Biroscak, B. J., Esposito, C., & Dziura, J. (2016). *Development and validation of the Emergency Department Geriatric Readmission Assessment at Yale (ED GRAY): Part 1*, *fundamental measurement*. British Journal of Medicine and Medical Research, 14(1), 1-14.

8. Post, L. A., Conner, T. L., Oehmke, J. F. **Abujarad, F.,** Cooney, L. M., Brandt, C., Page, C., Swierenga, S. J., Biroscak, B. J., Esposito, C., & Dziura, J. (2016). *Development and validation of the Emergency Department Geriatric Readmission Assessment at Yale (ED GRAY): Part 2, prognostic accuracy.* British Journal of Medicine and Medical Research, 14(1), 1-8.

9. Melnick, E, Hess, E, Guo, G, Breslin, M Lopez, K, Pavlo A, **Abujarad**, F, Brandt, C, Powsner, S, and Post, L, (2017). Patient-Centered Decision Support: Formative Usability Evaluation of Integrated Clinical Decision Support with a Patient Decision Aid for Minor Head Injury in the Emergency Department. *Journal of Medical Internet Research*, 19(5), e174.

10. Raile ED, Swierenga SJ, Dennis TA, Swanson-Aprill LA, Post LA, **Abujarad F**. Fingerprint-based background checks for personal care workers: Stakeholder views of policy criteria. *Journal of Elder Abuse & Neglect*. 2017:1-18.

Peer-Reviewed Original Research (Conference Proceedings/Publications)

11. Bonakdarpour B, Kulkarni SS, and **Abujarad F.** Distributed Synthesis of Fault-Tolerance. International Symposium on Stabilization, Safety, and Security of Distributed Systems (SSS) LNCS. 2006; 4280:566-567.

12. Bonakdarpour B, Kulkarni SS, and **Abujarad F.** Distributed Synthesis of Fault-Tolerant Programs in the High Atomicity Model. International Symposium on Stabilization, Safety, and Security of Distributed Systems (SSS). LNCS. 2007; 4838:21-36.

13. **Abujarad F**, and Kulkarni SS. Automated Addition of Fault-Tolerance to SCR Toolset: A case study. The Seventh International Workshop on Assurance in Distributed Systems and Networks (ADSN), in ICDCSW '08: 28th International Conference on Distributed Computing Systems Workshops. 2008; 539 – 544.

14. **Abujarad F**, Bonakdarpour B, and Kulkarni SS. Parallelizing Deadlock Resolution in Symbolic Synthesis of Distributed Programs. International Workshop on Parallel and Distributed Methods in verification (PDMC). 2009; 92-106.

15. **Abujarad F**, and Kulkarni SS. Constraint Based Automated Synthesis of Nonmasking and Stabilizing Fault-Tolerance. 28th International Symposium on Reliable Distributed Systems (SRDS). 2009; 19-128.

16. **Abujarad F**, and Kulkarni SS. Weakest Invariant Generation for Automated Addition of Fault-Tolerance. Workshop on Logical Aspects of Fault Tolerance (LAFT). ENTCS. 2009; 258:3-15.

17. **Abujarad F**, and Kulkarni SS. Multicore Constraint-Based Automated Stabilization. The 11th International Symposium on Stabilization, Safety, and Security of Distributed Systems (SSS). LNCS. 2009; 5873:47-61.

18. Chen J, **Abujarad F**, Kulkarni SS. Effect of Fairness in Model Checking of Self-Stabilizing Programs. International Conference on Principles Of Distributed Systems (OPODIS). 2010; 135-138.

19. **Abujarad F**, and Kulkarni SS. Complexity Issues in Automated Model Revision Without Explicit Legitimate State. International Symposium on Stabilization, Safety, and Security of Distributed Systems (SSS). LNCS. 2010; 6366:206-220.

20. Swierenga, S J, **Abujarad, F,** Dennis, T A, & Post, L A. Real-world user-centered design: The Michigan Workforce Background Check system. In Salvendy, G., and Smith, M. J. (eds.): *Human Interface*, Part II, HCII 2011, LNCS 6772, 325-334.

21. **Abujarad, F**, Swierenga, S J, Dennis, T A, and Post, L A. Rap backs: Continuous workforce monitoring to improve patient safety in long-term care. In Marcus, A. (ed.), *Design, User Experience and Usability*, HCII 2013, Part III, LNCS 8014, pp. 3-9. Springer-Verlag Berlin Heidelberg 2013.

22. **Abujarad F**, Swierenga S, Dennis T, Post L. *Management of On-Line Registries Information for Patient Safety in Long-Term Care*. Human Interface and the Management of Information. Information and Knowledge in Applications and Services. Vol 8522: Springer International Publishing; 2014:307-316.

23. **Abujarad, F,** Swierenga, S J, Dennis, T A, & Post, L A. *The Impact of Usability on Patient Safety in Long-Term Care.* Strategic Social Media and Usability**,** 2nd International Conference on HCI in Business. Springer International Publishing Switzerland, 2015. 221-231.

24. **Abujarad, F**, & Vaca, F. E. mHealth Tool for Alcohol Use Disorders Among Latinos in Emergency Department. Proceedings of the International Symposium on Human Factors and Ergonomics in Health Care, 2015; 4(1): 12-19. doi: 10.1177/2327857915041005

25. **Abujarad** F, O'Bara I, Swierenga SJ, Raile ED. *The Role of UX in Government System Expansion*. In: Marcus A, Wang W, editors. Design, User Experience, and Usability: Understanding Users and Contexts: 6th International Conference, DUXU 2017, Held as Part of HCI International 2017, Vancouver, BC, Canada, July 9-14, 2017, Proceedings, Part III. Cham: Springer International Publishing; 2017. p. 559-69.

Chapters, Books, and Reviews

26. Arumugam M, Jhumka A, **Abujarad F**, and Kulkarni SS. Stabilizing Interference-Free Slot Assignment for Wireless Mesh Networks. In *Guide to Wireless Mesh Networks*, Editors: Misra S, Misra SC, and Woungang I. Springer, 2008, pp. 77-119

Scholarship In Press/Under review

27. **Abujarad**, F, Alfano, S, Bright, T J. Kannoth, S, Grant, N, Gueble, M, Peduzzi, Chupp, G, Building an Informed Consent Tool Starting with the Patient: The Patient- Centered Virtual Multimedia Interactive Informed Consent (VIC), American Medical Informatics Association (**AMIA**) 2017 Annual Symposium, Washington, D.C. (ACCEPTED FULL PAPER

PRESENTATION)

28. **Abujarad, F**, Alfano, S, mHealth Tool for Patient-Centered Informed Consent Communication, International Conference on Communication in Healthcare & Health Literacy Annual Research Conference (**AACH**) October 8-11, 2017 Baltimore, Maryland (ACCEPTED ORAL ABSTRACT PRESENTATION)