Statement of Research

My primary areas of research in Social, Information Science and Information systems Security have been and continued to be

1. the effective and efficient construction of organizational information systems, and

2. the evaluation of information systems from the end-user perspective - Designing, Building and Managing Enterprise Information Security Programs.

I became interested in these streams of research during my dissertation, and have explored richer problems in both areas since then. I firmly believe that research should be amalgamated in the classroom, and utilized results from my research in both undergraduate and graduate courses. My research interests can be broken down into the following:

a. Building, Designing and Managing Enterprise Information Security Programs
b. Mobile Security & Mobile O/S development
c. Privacy-enhancing Technologies imprecision
d. Single sign-on
e. Security Level Management
f. Audit-proof Network management and protocols
g. Vulnerability and Penetration Testing on Protocols/Processes
h. Network Security Services and components improvement

I also augment my research by serving as members of few journals:

My future plans are to continue to explore new research projects related to developing and utilizing information systems and security in organizations. Next, I describe these research streams in more detail. In the area of IS construction, organizational IS present two unique challenges: requirement of persistent storage and easy retrieval of data; and the need to conform to the needs of a very diverse user population (since many different roles in an organization use the same IS). I have done some work that addresses the first challenge, where I explored the design of more efficient database management systems, utilizing faster transaction scheduling algorithms, as well as leveraging new standards to enable data sharing. It is well accepted in IS research and practice that requirements' gathering is critical to the success rate of organizational IS construction and implementation.

Capturing requirements in a model can be more useful than in a natural language because requirement models provide less ambiguity, produce requirements specifications that are more concise and complete and better aid in the subsequent design and construction of the of resulting IS than natural language. While I have developed and published my own conceptual models for

requirements gathering, I have also analyzed existing modeling methods in order to understand what aspects of these methods make them more usable for systems analysts, and where improvements need to be made. In this area, I have contributed to both the theoretical and empirical evaluation of modeling methods. All of this work provides insight into how to create modeling methods that are more usable by systems analysts, and which can hence lead to better and cheaper systems. Some of my research publications are available in my Curriculum Vitae and links provided.

Dr. Richmond Adebiaye

RESEARCH PUBLICATIONS

1) Adebiaye, Richmond, Mohammad Alryalat, HarounAlryalat (2017) Maximizing IT Investment Returns: Strategic Alignment of Information Technology towards Corporate Performances: American Journal of Applied Mathematics and Statistics. 2017, 5(2), 72-79. DOI: 10.12691/ajams-5-2-5. ISSN (Print): ISSN(Print): 2328-7306 ISSN(Online): 2328-7292: http://pubs.sciepub.com/AJAMS/5/2/5/index.html

1) Adebiaye, Richmond, Owusu, Theophilus (2017) Consumer Perspectives Relative to Interpreting e-Commerce Acceptance in UAE: American Journal of Information Systems. 2017, 5(1), 21-26. ISSN (Print): 2374-1953ISSN (Online): 2374-1988: DOI: 10.12691/ajis-5-1-3 http://www.sciepub.com/journal/ajis

2) Adebiaye, Richmond (2017) Analysis on Mitigation of Intelli-drive Communication Congestion: Broadcasted Signal Phase in Vehicle-to-Vehicle (V2V) Safety Features Using DSRC IEEE 802.11p Standard: American Journal of Computing Research Repository. 2017, 5(1), 1-13. ISSN (Print): 2377-4606 ISSN (Online): 2377-4266. DOI: 10.12691/ajcrr-5-1-1 http://www.sciepub.com/ajcrr/content/5/1

3) Richmond Adebiaye (2017) Investigating IT Effectiveness: Perspectives Relative to Cultural Differentiation Between IT Users and Service Providers; American Journal of Networks and Communications (AJNC), Science Publishing Group, 2017; ISSN: 2326-893X (Print); ISSN: 2326-8964 (Online); Volume 6, Issue 3, June 2017, Pages: 54-61. DOI: 10.11648/j.ajnc.20170603.11. http://www.sciencepublishinggroup.com/journal/archive?journalid=132&issueid=1320603

4) Richmond Adebiaye (2017) Interpreting User's perceptions of Mobile Security Methods

and Their Effectiveness; International Journal of Engineering and Advanced Technology (IJEAT). e-ISSN: 2249-8958, Volume 6, Issue 4 (April 2017) PP:01-18: http://www.ijeat.org/download/volume-6-issue-4/

5) Richmond Adebiaye, BoumedyenShannaq (2017) Schemes for Distributed Computing Environment Based on Cloud Computing Technology for Ministry of Regional Municipalities and Water Resources (MRMWR); International Journal of Engineering Inventions (IJEI). e-ISSN: 2278-7461, p-ISSN: 2319-6491 Volume 6, Issue 1(Jan 2017) PP:01-06: http://www.ijeijournal.com/papers/Vol.6-Iss.1/A06010106.pdf

6) Richmond Adebiaye, BoumedyenShannaq, AbdallahBawain (2017) Strategic Information Systems Cutting-Edge Change Management For Ministry of Regional Municipalities and Water Resources (MRMWR), Sultanate of Oman; International Journal of Scientific & Engineering Research (IJSER), Volume 8 Issue 3, March 2017: ISN 229-5518 (pp01-09). http://www.ijser.org/research-paper-publishing-march-2017_page6.aspx.

7) Richmond Adebiaye, BoumedyenShannaq (2017) A Security Analysis To Be Technology Architecture For Ministry of Regional Municipalities and Water Resources (MRMWR); International Journal of Research in Social Sciences (IJRSS). e-ISSN: 2249-2496, p-ISSN: 2319-6491 Volume 6, Issue 1(Jan 2017) PP:01-06 https://www.ijmra.us/project%20doc/2017/IJRSS_APRIL2017/IJMRA-11393.pdf

8) Richmond Adebiaye, HarounAlryalat , Khalid Ammar (2016) Interpreting Causes of Attrition in an Information Technology (I.T.) Undergraduate Degree Program within a Gulf State Regional University: International Journals of Multidisciplinary Research Academy (IJMRA)) Vol. 6 Issue 11, October 2016 publication. ISSN: 2249-0558 - Impact factor – 6,629. https://www.ijmra.us/2016ijmie_october.php

9) Richmond Adebiaye, HarounAlryalat, Theo Owusu (2016) Perspectives for Cyber-Deterrence: A Quantitative Analysis of Cyber Threats and Attacks on Consumers: International Journal Of Innovative Research in Science, Engineering and Technology (IJIRSET) Vol. 5 Issue 7, August 2016. ISSN: 2319-8753, PP 01-18. Doi:10.15680/IJIRSET.2016.0507157

10) Adebiaye, R. S., & Conner, C., (2015). "Chiropractor Practice Management: Justifications for Business Degree Program in Chiropractic Curriculum". *International Journal of Advanced Scientific Research & Development (IJASRD), 02* (03/I), pp. 01 – 15. https://www.ijasrd.org/journals/chiropractor-practice-management-justifications-for-business-degree-program-in-chiropractic-curriculum/

11) Adebiaye, Richmond, Shannaq, Boumedyen (2015) Analytic-Synthetic Processing Of Information as Smart-Based Environment for Text Summarization: International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET) (An ISO 3297: 2007 Certified organization)Vol. 4, Issue 1, January 2015: ISSN(Online): 2319 – 8753 ISSN (Print) :2347 – 6710. DOI: 10.15680/IJIRSET.2015.0401055

12) Adebiaye, Richmond (2015) Interpreting Crisis of Attrition and Social Isolation in Undergraduate Degree Programs Using Asynchronous Leaning System: International Journal of Advanced Scientific Research & Development (IJASRD) ISSN 2394-8906, VOL 2, Issue 01, March 2015, PP.01-22 (Parker University Internal Grants funded $15,000). https://www.ijasrd.org/journals/interpreting-crisis-of-attrition-and-social-isolation-in-undergraduate-degree-programs-using-asynchronous-learning-system/

13) Richmond Adebiaye, BoumedyenShannaq, FouadJameel Ibrahim (2012)"Impact Of The Green Learning On Students Performance": Asian JNL Of Computer Science Information Technology (AJCSIT) Vol. 2: 7 (2012) 190 – 193. http://www.innovativejournal.in/index.php/ajcsit/article/view/308

WORKSHOP/CONFERENCES
1. Richmond Adebiaye, BoumedyenShannaq, John Haynes (2012) "BWA_Thesaurus as knowledge management strategy for Arabic and English Tourism Webpage's" WCAS the international Conference ICKMARS-2012, Oman.
2. Richmond Adebiaye, BoumedyenShannaq, (2012) " Green Education as new Information Systems Tools", NCT Symposium , Nizwa College of Technology, Oman, May 28-29 2012

AWARDS:

1. *2014 - Parker University, Dallas, USA – Educator of the year award 2014 ($5,000 cash award).*

2. *2014 - Most Outstanding Research paper (COMNET 2014)– Computer Society of India (CSI) Coimbatore Chapter, Tamilnadu, India. Award CSI41-6589, http://csi-cbe.org/csi-coimbatore-events-2013-2014.html*

3. *2015 MOST OUTSTANDING RESEARCH SCIENTIST:* Dr. Richmond Adebiaye | Award Winner - VIFRA 2015 | Outstanding Scientist. *(Nomination Code : F. No. VIFRA 2015 / 746) Venus International Foundation, Chennai India. http://viraw.info/ra15list/ra15/Richmond.html*

TEXTBOOKS AUTHORED:

I. TEXTBOOK – Object-Oriented Methods, 2nd Edition (2016), ISBN-13: 978-1495222450 (Amazon Publishing Inc.), NY. (Best seller status -85,678 copies sold)

II. TEXTBOOK – Information and Network Security Management: Strategic Concept Applications (2013) ISBN-13: 978-1491236338, Amazon/CreateSpace Publishing Inc. SC)

III.   TEXTBOOK – Network Systems and Security, Principles and Practices (2013) ISBN-13: 978-1482626711 (2013), Amazon/CreateSpace Publishing Inc. SC)

IV.   TEXTBOOK – Object-Oriented Methods (2013), ISBN-13: 978-1482792782 (Amazon Publishing Inc.), NY. (Best seller status – 52,168 copies sold)

V.   TEXTBOOK – Information and Network Security Management (2013), ISBN-13: 978-1491236338 (Amazon Publishing Inc.), SC.