

# **Daniel Kwasi Adjekum,**

Office:  
Ryan Hall 219  
Grand Forks, ND 58202  
Email: [daniel.adjekum@ndus.edu](mailto:daniel.adjekum@ndus.edu)  
Telephone: (701) 777-6689

## **EDUCATIONAL BACKGROUND**

- Board of Certified Safety Professionals - USA** **2016**  
Certification for Certified Safety Professional (CSP) and Associate Safety Professional (ASP), Occupational Health, Safety and Environment  
Emphases: Industrial Safety and Health - Aviation
- University of North Dakota** **2016**  
Ph D, Aerospace Sciences  
Emphases: Safety Management Systems and Human Factors
- University of North Dakota** **2013**  
MS, Aviation Safety Culture and Management Systems  
Emphases: Safety Culture Assessment in Collegiate Aviation
- United States Naval Safety Center** **2007**  
Graduation Diploma, Aircraft Accident Investigation Course  
Emphases: Naval Accident Investigative Techniques
- Ghana Armed Forces Command and Staff College** **2006**  
Post-Graduate Diploma, Military Science, Strategic Leadership and Command  
Emphases: Military Command and Leadership
- Ghana Institute of Management and Public Administration** **2006**  
Post-Graduate Diploma, Public Administration and Corporate Governance  
Emphases: Institutional Management and Administrative law
- United States Airforce Safety Center/Embry-Riddell Aeronautical University** **2004**  
Post Graduate Diploma, Aviation Safety Management and Aircraft Accident Investigations  
Emphases: Jet Mishap Investigations and Accident Analysis
- Kwame Nkrumah University of Science and Technology** **1997**  
BS, Physics  
Emphases: Radiation and Nuclear Physics

## **PROFESSIONAL EXPERIENCE**

- University of North Dakota John D. Odegard School of Aerospace Sciences** **2017 - Present**  
Grand Forks, ND  
Assistant Professor  
Professor of Aviation and Aerospace Sciences. Teaching and dissertation/thesis supervision in graduate program; Teaching and advising in undergraduate program; Service and research.
- University of North Dakota John D. Odegard School of Aerospace Sciences** **2017**  
Grand Forks, ND  
Adjunct Professor  
Adjunct teaching, advising and research in the aviation department

**University of North Dakota John D. Odegard School of Aerospace Sciences**  
Grand Forks, ND  
Graduate Teaching Assistant  
Teaching, research and advising in the aviation department.

**2013 - 2016**

**Virgin Nigeria Airline**

**2010 - 2012**

Lagos, Nigeria  
Senior First Officer/Flight Operations Safety Officer  
Pilot on the Boeing 737 300-800 series and flight Operations Safety Officer. Coordinated the Safety Management System Implementation of the Airline and was part of team that prepared airline to undergo and successfully pass the International Airline Transport Association (IATA) Operational Safety Audit (IOSA). Helped with the flight data management system of airline.

**Ghana Airforce**

**1997 - 2009**

Accra, Ghana  
Squadron Commander (Presidential Squadron) and Base Chief of Safety. Aircraft Commander. /Training Captain  
Fokker F-27/BN-2T/Aerovodocody L-29/L-39  
Ensured safe and efficient flight operations for VVIPs, strategic and tactical military flights for Ghana Airforce. Conducted initial operational experience/line training for new crew in squadron. Conducted United Nations peace support flight operations. Conducted test and maintenance evaluation flights. Developed standard operational procedures and safety management systems manual for the operational base.

**Kwame Nkrumah University of Science and Technology/School of Trade Training**

**2006 - 2009**

**Ghana Airforce**  
Accra, Ghana. Adjunct Professor: Taught Safety Managements Systems and Aircraft Accident Investigation Techniques to Juniors and Seniors from the Aerospace Engineering Cohorts of the University on practicum at the Ghana Airforce School of Trade Training.

**COURSES TAUGHT AT UND**

**Aviation 208** Aviation Safety  
**Aviation 250** Human Factors  
**Aviation 430** Crew Resource Management  
**Aviation 503** Statistics  
**Aviation 506** Quantitative Research Methods  
**Aviation 513** Aviation Safety Mgmt. Systems  
**Aviation 515** Hum Factor & Ergonomics.  
**Aviation 518** Human Error  
**Aviation 523** Aviation Safety Data Analysis  
**Aviation 587** Supervised Field Work  
**Aviation 591** Readings in Aviation  
**Aviation 593** Individual Research in Avit  
**Aviation 595** Aviation Capstone  
**Aviation 996** Continuing Enrollment  
**Aviation 997** Independent Study  
**Aviation 999** Dissertation

## **Academic Advising (UND)**

2019-2021

32 undergraduate students  
10 graduate students

2018-2020

25 undergraduate students  
1 graduate students

2017-2019

25 undergraduate students  
1 graduate students

## **Graduate Committee Service**

### Dissertation Committee Chair

Robert Foster, "Safety Culture Assessment in Multiple Collegiate Programs," Aviation 999. (August 1, 2018 - Present). Supervision of candidate to conduct original research in partial fulfillment of requirements for Doctor of Philosophy in aerospace sciences and advice on coursework. (Successful Defense and graduation in December 2020)

Robert Waltz. (August 1, 2018 - Present).

Manolis Karachalios (10/22/ 2020 - Present)

### Dissertation Committee Member

Amrita Chatterjee, Computer Science 999. (August 19, 2020 - Present). Preliminary meetings to finalize topic for research. Successful defense proposals/oral comprehensive examination.

Tiffany Day, "Virtual Reality Training Transfer," Aviation 999. (January 9, 2020 - Present).

Brian Teske, "PREPARING COMMERCIAL SPACE COMPANIES FOR SAFETY MANAGEMENT SYSTEM IMPLEMENTATION," Space Studies SPST 999. (April 23, 2019 - June 8, 2020).

Assisted student in the formulating research methodology, statistical analysis, and discussions/conclusions of the dissertation report. Assisted in the mock-defense of research. Assisted with final proof-reading of dissertation draft for submission to publishers.

James Norman, "Near-miss voluntary reporting among occupational groups in a 14 CFR Part 121 Airline" (Pending)

### Master's Thesis Committee Chair

Dinusha Sammani Gunarathna Adikari Mudiyansele, "The impact of Safety on Fleet Acquisition and Management in U.S Commercial Airlines," Aviation 998. (April 1, 2020 -12/12/2020).

Supervising the thesis of student and providing intellectual and research direction for a successful study and defense. Successful Defense and graduation.

Dana Atkins, " UNDERSTANDING DECISION-MAKING STYLES OF PART 135 PILOTS IN REMOTE SETTINGS AND THEIR IMPACT ON AVIAITON SAFETY: A QUALITATIVE ENQUIRY OF ALASKAN OPERATIONAL ENVIRONMENTS," Supervising the thesis of student and providing intellectual and research direction for a successful study, defense, and graduation. (February 13, 2020 – 11/30/2021).

Michael Barrett, "STABLE APPROACH CRITERIA TRAINING IMPLEMENTATION IN PART 141: A QUANTITATIVE ANALYSIS," Aviation Avit 998. (December 17, 2017 – 12/08/2020).

Overall supervision of the research and ensuring quality controls to meet standards required for completion of M.S degree. Graduated after successfully submitting independent study report.

### Master's Thesis Committee Member

Christopher Kannwin, "SMS Assessment in U.S. Airports," Aviation 998. (September 23, 2019 - Present).

## INSTITUTIONAL SERVICE

### Department

Organization of Black Aerospace Professionals 2020 - Present  
Student Org Advisor (Professional Org), Collegiate Chapter (UND) Academic Advisor  
I provide faculty oversight and supervision for the collegiate chapter of OBAP which is an international professional body aimed at encouraging and increasing diversity and inclusion especially for people of color in aerospace profession.

Aviation Core 2018 - Present  
Committee Member, Member  
Administration and oversight of core courses in aviation  
Classes: 100, 208, 250, 302, 309, 310, 372, 397, 399, 402, 403, 405, 407, 442, 485, 490, 491, 497, 499

Move-in Weekend 2017 - Present  
Attendee, Meeting, Assistance in the semester move-in for freshmen at Noren Hall  
Assistance to parents and wards during the semester move-in for freshmen at Noren Hall

**Graduate Faculty** 2017 - Present  
Committee Member, Member  
Member of the graduate faculty tasked with the efficient administration the MS Aviation and Ph.D., Aerospace Science programs.  
Objective: Promote the academic quality of the Aviation Graduate Degrees and provide administrative support (teaching schedules, staffing, student admission, etc.) for the program. In addition, assessment of the program must be placed as a high priority of this group. Complete strategic plan responsibilities.

Graduate Faculty Examination Officer (2018 – Present)  
Ensures effective organization and grading of both M.S. Aviation and Ph.D. Aerospace Sciences written comprehensive examinations for eligible candidates.

### College

John D. Odegard School of Aerospace Sciences 2017 - Present  
University Senate Service, Member, Elected  
Elected College Representative on the University Senate till August 2019.

### The University of North Dakota

University Honorary Degrees Committee 2020 - Present  
Committee Member, Member

University Curriculum Committee 2018 - Present  
Committee Member, Member

GRAD Research Day 2018  
Reviewer, Member  
Served as a reviewer for presentations during the 2017 GRAD Research Presentation by the School of Graduate Studies. A one-day celebration of our graduate students' work over the past academic year.

UNDSHOWCASE (Capstone Poster Session) 2017  
Reviewer, Member  
UNDSHOWCASE (Capstone Poster Session) for undergraduate research.

## PUBLICATIONS

### Refereed Journal Articles

Teske, B.E., Adjekum, D.K. (2021). Advancements in Space Safety: An assessment of Safety Management System Theory (SMST) attributes among commercial space organizations and CFR Part 121 airlines, Journal of Space Safety Engineering,

<https://doi.org/10.1016/j.jsse.2021.10.001>. (<https://www.sciencedirect.com/science/article/pii/S2468896721000951>)

Keller, J., Coimbra Mendonca, F. A., & Adjekum, D. (2021). Contributory Factors of Fatigue Among Collegiate Aviation Pilots: An Ordinal Regression Analysis. *Collegiate Aviation Review International*, 39(2),63-93. Retrieved from <http://ojs.library.okstate.edu/osu/index.php/CARI/article/view/8263/7647>

Adjekum, D. K., Tous, M. F. (2020). Assessing the relationship between organizational management factors and a resilient safety culture in a collegiate aviation program with Safety Management Systems (SMS). *Elsevier, Safety Science* 131((2020) 104909), 15.

Adjekum, D. K. (2020). Assessing Cultural Drivers of Safety Resilience in a Collegiate Aviation Program. *Collegiate Aviation Review International (University Aviation Association)*, Volume 38(Issue 1), Article 8 (pages 122-147).

ElSaid, A. A., Adjekum, D. K., Nordlie, J., El Jamiy, F. (2019). A Testbed for Measuring UAS Servo Reliability. *MDPI Journal ( www.mdpi.com/journal/aerospace)*, 06(096), 20; *Aerospace* 2019, 6, 096; doi:10.3390/aerospace6090096.

Keller, J., Adjekum, D. K., Alabi, B. N. T., Kozak, B. (2018). Measuring Public Utilization Perception Potential of Unmanned Aircraft Systems. *International Journal of Aviation, Aeronautics, and Aerospace*, 5(3), 9.

Adjekum, D. K. (2017). An Evaluation of the Relationships between Collegiate Aviation Safety Management System Initiative, Self-Efficacy, Transformational Safety Leadership and Safety Behavior mediated by Safety Motivation. *International Journal of Aviation, Aeronautics, and Aerospace*, 4(2), 4.

Adjekum, D. K., Walala, M., Keller, J. J., Christensen, C., DeMik, R. J., Young, J. P., Northam, G. (2016). An Analysis of the Effects of Demographic Variables and Perceptions on the Safety Reporting Behavior in Collegiate Flight Programs. *International Journal of Aviation Sciences*, 1(2).

Adjekum, D. K., Keller, J., Walala, M., Christensen, C., DeMik, R. J., Young, J. P., Northam, G. J. (2016). An Examination of the Relationships between Safety Culture Perceptions and Safety Reporting Behavior among Non-Flight Collegiate Aviation Majors. *International Journal of Aviation, Aeronautics, and Aerospace*, 3(3), 7.

Adjekum, D. K. (2015). Bio-Fuel Alternatives in South African Airways (SAA) Operations-Is it an Effective Response to Vulnerability over Carbon Taxes and Penalty? *International Journal of Aviation, Aeronautics, and Aerospace*, 2(3), 2.

Adjekum, D., Keller, J., Walala, M., Young, J. P., Christensen, C., DeMik, R. J. (2015). Cross-Sectional Assessment of Safety Culture Perceptions and Safety Behavior in Collegiate Aviation Programs in the United States. *International Journal of Aviation, Aeronautics, and Aerospace*, 2(iss4/3).

Adjekum, D. K. (2014). Safety culture perceptions in a collegiate aviation program: A systematic assessment. *Journal of Aviation Technology and Engineering*, 3(2), 44.

Adjekum, D. K. (2014). Safety Management Systems in aviation operations in the United States: Is the return on investment worth the cost? 2249 44th Avenue South

### **Magazine/Trade Publication**

Adjekum, D. K. (2019). *Physio-Cognitive Risk Factors that affect Human Performance in Aviation* (pp. 4). Accra, Ghana: Ghana Airforce - The Airman Journal.

Adjekum, D. K. (2020) *Practical Human-factors Training and Implementation Program in Ghana Airforce Operations* (Volume 2 ed.). Accra: Ghana Airforce - The Airman Journal.

### **Periodicals/Newspaper/Media**

Adjekum, D. (2020). Aircraft Crash Accident Investigations- Processes and Procedures. In Jayme Wickett (Ed.), *Jayme Wickett Show Podcast, Kansas City Headline News*. Kansas City, KS: KMBZ Radio Network.

Adjekum, D. (2020). An air-safety expert says that despite Iran's denials, investigators will be able to tell if a missile caused Ukraine International Airlines Flight 752 to crash. In David Slotnick (Ed.), *Business Insider*. New York, NY: Business Insider.

Adjekum, D. (2020). Aviation Safety in a global perspective. In Thabiso Kolane (Ed.), *Power Perspective Show*.

Johannesburg: Power FM-98.7, [www.power987.co.za](http://www.power987.co.za).

- Adjekum, D. (2020). How Flight PS752's black boxes may help piece together details of Iran plane crash. In Mark Gollom (Ed.), *How Flight PS752's black boxes may help piece together details of Iran plane crash*. Toronto: CBC; [www.cbc.ca](http://www.cbc.ca).
- Adjekum, D. (2020). How Mideast Tensions Could Complicate Iran Crash Investigation. In Carlos Waters (Ed.), *How Mideast Tensions Could Complicate Iran Crash Investigation* (Digital - English ed.). New York, NY: Wall Street Journal ([www.WSJ.com](http://www.WSJ.com)).
- Adjekum, D. (2020). In Jamie Robinson (Ed.), *Investigations into Ukrainian Airline Crash in Tehran*. New York, NY, Los Angeles, CA, and Washington D.C: Cheddar Business.
- Adjekum, D. (2020). In Jordan Press (Ed.), *Investigating the Ukrainian Airline crash outside Tehran*. Ottawa: The Canadian Press, National Post; [nationalpost.com](http://nationalpost.com).
- Adjekum, D. (2020). New Boeing CEO. In Marielle Segarra (Ed.), *Incoming Boeing CEO has much to turn around*. Minneapolis, MN: Market place; [www.marketplace.org](http://www.marketplace.org).
- Adjekum, D. (2019). British Broadcasting Corporation (BBC) - BBC Reality Check; Aviation Safety in The Democratic Republic of Congo (DRC). In Peter Mwai and BBC World Fact Check team (Ed.), *DR Congo: Is it one of the most dangerous places to fly?* London: BBC World News.
- Adjekum, D. (2019). Expert Analysis on Aircraft Accident and Investigations in the Democratic Republic of Congo. In Anne Pasquier (Ed.), *Airline safety in DRC*. London: BBC Newsday, World Service Radio.
- Adjekum, D. (2019). Analysis of Aircraft Accident for Media House. In Wanyee Li (Ed.), *Expert Analysis on the technical implications of the article: Air-Canada-flight-to-Vancouver-from-Shanghai-diverted-due-to-cracked-windowpane*. Vancouver, British Columbia: The Star of Vancouver.
- Adjekum, D. K. (2019). Air Travel in Africa Is Safer Than Ever, Despite the Ethiopia Crash. In Elliot Waldman (Ed.), *Aviation Industry and Safety after ET 302*. World Politics Review Media Group.
- Adjekum, D. K. (2019). In Jeff Inglis, Jonathan Gang (Ed.), *Here's how airplane crash investigations work, according to an aviation safety expert*. 89 South Street - Suite 202 Boston, MA 02111: The Conversation - Science and technology.
- Adjekum, D. K. (2019). Interview with Market Place Media Group on Impact of Ethiopian Airline Flight 302 crash on passenger confidence in the Boeing 737 Max 8. In Marielle Segarra (Ed.), *Consumer Confidence in the Boeing 737 Max aircraft*. Market Place.org.
- Adjekum, D. K. (in press). In Louise McLoughlin (Ed.), *Post-traumatic effects of air crash investigations on accident investigators*. Vice / Tonic - <https://www.louisejo.com/about>.
- Adjekum, D. K. (2018). In Daily Graphic (Ed.), *Rejoinder: Domestic Airlines - From Multiple Players to Monopoly*. Accra: Graphic Communication Group.
- Adjekum, D. K. (2018). In Modern Ghana (Ed.), *Aviation Human Resources in Ghana: A Call for Local- Content Requirement Policy*. Accra: Modern Ghana Communication LLC.
- Adjekum, D. K. (2017). In Modern Ghana (Ed.), *Aviation-Related Accident Investigations in Ghana – A Way Forward*. Accra: Modern Ghana Communication LLC.
- Adjekum, D. K. (2017). In Modern Ghana (Ed.), *Establishing A Paradigm Shift in Ghana's Aviation Business Sector – Essential Primers*. Accra: Modern Ghana Communication LLC.
- Adjekum, D. K. (2016). In Modern Ghana (Ed.), *Integrating Unmanned Aircraft System (UAS) Into Ghana's Airspace: A Technological Force Multiplier or Trojan Horse?* Accra: Modern Ghana Communication LLC.
- Adjekum, D. K. (2015). In Modern Ghana (Ed.), *The Impact of The Harmattan Weather on Aviation Operations in Ghana*. Accra: Modern Ghana Communication.
- Adjekum, D. K. (2015). In Modern Ghana (Ed.), *Aviation Operations and Safety in Ghana: A Perspective from Afar*. Accra: Modern Ghana Communication LLC.

- Adjekum, D. K. (2015). In Modern Ghana (Ed.), *Airport Development in Ghana: Ho Airport and Matter Arising*. Accra: Modern Ghana Media Communication.
- Adjekum, D. K. (2014). In Ghana Web (Ed.), *The N604EP Saga, Trusteeship-Lessee Issues*.
- Adjekum, D. K. (2014). In Ghana Web (Ed.), *Towards a Viable Ghana Police Service Aviation Unit*. Amsterdam: GhanaWeb.
- Adjekum, D. K. (2014). In Ghana Web (Ed.), *Safety Management System (SMS) in Ghana's Aviation sector – A Candid Perspective*. Amsterdam: GhanaWeb.
- Adjekum, D. K. (2013). In GhanaWeb (Ed.), *A Sustainable Aviation Sector in Ghana: Is it a case of 'Fixating on a national air carrier' at the expense of other areas in need of development?* (pp. 2249 44th Avenue South). Amsterdam: GhanaWeb.
- Adjekum, D. K. (2013). In GhanaWeb (Ed.), *Can I be an airline pilot in Ghana? My perspective*. Amsterdam: GhanaWeb.
- Adjekum, D. K. (2013). In GhanaWeb (Ed.), *Pilotless Passenger carrying aircraft: Can We Safely Buckle –Up and Sip Champagne and Coffee?* Amsterdam: GhanaWeb.
- Adjekum, D. K. (2013). In GhanaWeb (Ed.), *Towards a Sustainable Aviation industry in Ghana – My perspective* (pp. 2249 44th Avenue South). Amsterdam: GhanaWeb.

#### **Ph.D. Thesis**

- Adjekum, D. K. (2016). *An evaluation of the relationships between safety management system initiatives, transformational safety leadership, self-efficacy, safety behavior, and safety-related events mediated by safety motivation in collegiate aviation* (10243297th ed., pp. 218). Ann Harbor, MI: ProQuest LLC.

#### **Research Report**

- Adjekum, D. K., Ullrich, G. (2013). *Grand Forks International Airport Safety Information Management System*. Grand Forks:

#### **Technical Report**

- Adjekum, D. K., Ullrich, G. (2013). Safety Assurance/Audit Inspection Guide for UND Aerospace. *UND Aviation Safety Management System Implementation Report*. Grand Forks:

#### **Thesis (M.S.)**

- Adjekum, D. K. (2013). *Safety culture: An assessment of a collegiate aviation program* (165 pages; ProQuest/UMI. (AAT number 1546051). ed.). Ann Harbor, MI: ProQuest LLC.

## **PROFESSIONAL PRESENTATIONS**

#### **International**

- Adjekum, D. K. (Moderator- Safety & Organizational Safety, Climate and Culture Sessions), 21<sup>st</sup> International Symposium of Aviation Psychology., Oregon State University, (May 18-21, 2021). <http://toc.proceedings.com/59338webtoc.pdf>
- Adjekum, D. K. (Presenter), 21<sup>st</sup> International Symposium of Aviation Psychology., "Assessing the relationships between organizational management factors (4Ps) and a resilient safety culture in a collegiate aviation program with a safety management system (SMS)" Oregon State University, (May 18-21, 2021). <http://toc.proceedings.com/59338webtoc.pdf>
- Adjekum, D. (Presenter). Georgetown University- International Executive Emergency and Disaster Management Program Lecture Series, "Air crash Case Studies and Disaster Management" (01/26/2021). Online.
- Adjekum, D. (Presenter & Author), Tous, M. F. (Presenter & Author), University Aviation Association (UAA) Annual Conference, "Assessing Cultural Drivers of Safety Resilience in a Collegiate Aviation," University Aviation Association, Virtual. (September 18, 2020).
- Adjekum, D. K. (Author Only), International Symposium of Aviation Psychology., "Relationships between safety culture

perceptions and safety reporting behavior among non-flight aviation majors., " Ohio State University, Dayton, Ohio. (May 7, 2017).

Adjekum, D. K. (Author Only), University Aviation Association Fall Conference, "An analysis of the effects of demographic variables and perceptions on the safety reporting behavior in collegiate flight programs.," University Aviation Association, University of Nebraska, Omaha. (September 29, 2016).

Adjekum, D. K. (Presenter & Author), University Aviation Association Fall Conference, "-Adjekum, D. K., Keller, J., Walala, M. (2015). Relationship between Safety Culture Perceptions and Safety Reporting Behavior in Collegiate Aviation," University Aviation Association, Salt Lake City, Utah. (October 22, 2015).

Adjekum, D. K. (Author Only), Aviation, Aeronautics, and Aerospace International Research (A<sup>3</sup>iR) A3irCon, "Cross-sectional assessment of safety culture perceptions and safety behavior in collegiate aviation programs in the United States.," Embry-Riddell Aeronautical University, Chandler, Arizona. (January 16, 2016).

## **Local**

Adjekum, D. K. (Presenter & Author), Aviation Senior Capstone Course (Aviation 485), "Global Aviation in an Era of COVID- 19; Impact and Recovery," University of North Dakota - Department of Aviation, online. (September 21, 2020).

Adjekum, D. K. (Presenter & Author), Proceedings of University of North Dakota School of Graduate Studies 2016 Scholarly Forum (Session 8 Article number O -35)., "Cross-sectional Assessment of Safety Culture Perceptions and Safety Behavior in Collegiate Aviation Programs.," University of North Dakota Odegard School of Graduate Studies, Memorial Union, UND. Grand Forks. (March 1, 2016).

Adjekum, D. K. (Presenter & Author), Proceedings of University of North Dakota School of Graduate Studies 2015 Scholarly Forum, "Exploring the Relationship between Safety Culture Perceptions and Safety Behaviors in Collegiate Aviation Programs," University of North Dakota School of Graduate Studies, Memorial Union, UND, Grand Forks. (March 10, 2015).

Adjekum, D. K. (Presenter & Author), Zach, W. (Presenter & Author), Proceedings of University of North Dakota School of Graduate Studies 2013 Scholarly Forum, "Career Aspirations of Entry level Collegiate Commercial Aviation Students," School of Graduate Studies, University of North Dakota, Memorial Union, University of North Dakota. (March 5, 2013).

## **GRANTS AND CONTRACTS**

### **Submitted**

Adjekum, D. K. (Supporting), Ullrich, G. (Co-Principal), Jorgenson, T. (Supporting), Snyder, P. (Co-Principal), "**Maintenance Human Factors and Risk-Based Decision Making**," Sponsored by FAA - Solution for Aviation Operational Research (SOAR) Center of Excellence for Technical Training and Human Performance, Federal, \$81,000.00. (October 2, 2017 - 2018). (Not Awarded)

Adjekum, D. K. (Supporting), Ullrich, G. (Co-Principal), Snyder, P. (Co-Principal), Jorgenson, T. (Supporting), "Maintenance Human Factors and SMS Integration," Sponsored by Federal Aviation Administration - Center of Excellence for Technical Training and Human Performance, Federal, \$50,000.00. (October 2, 2017). (Not Awarded)

Adjekum, Daniel (Principal), Archer, Lewis (Co-Principal), Wilson, Nicholas (Supporting), Ullrich, Gary (Supporting), Ferraro, Richard (Supporting), Bjerke, Elizabeth (Supporting), Higgins, James (Supporting), Lindseth, Paul (Supporting), Smart, Kathy (Supporting), Stupnisky, Robert (Supporting), "**Training the Emerging Pilot Workforce**," **Sponsored by Federal Aviation Administration, Federal**, \$610,242.00, Not Funded. (May 8, 2018 - June 12, 2018).

Adjekum, D.K. (Principal). John D. Odegard School of Aerospace Sciences Seed Grant 2019 (\$8760). **Awarded**.

Adjekum, D.K. (Principal), Rasouli, V. (Supporting), Ullrich, G. (Supporting), Waller, Z. P. Snyder, P. (Supporting), (Supporting), "Safer Offshore Energy Systems Grants 4 - Near-Miss and Incident Reporting Systems," Sponsored by The National Academies of Sciences, Engineering, and Medicine, Federal, \$755,851.00. (September 1, 2019 - August 30, 2022). **Awarded**

## **PROFESSIONAL ASSOCIATIONS**



## **International**

Board of Certified Safety Professionals 2017 - Present  
Prepare/Grade Certification Exams, Member  
Voluntarily review and beta-test array of possible questions for inclusion in the professional certification for the CSP and ASP.

## **National**

Association of Ghanaian Professional Pilots 2012 - Present  
Committee Chair  
Provides mentoring to aviation students and youth interested in the field of aviation/aerospace. Provides critical counseling and nurturing for new pilot entrants into the industry. We assist youth in underserved, rural and economically deprived areas in Ghana, with interest in aviation to get the necessary reading materials/audio-visual.

## **PUBLIC, COMMUNITY, & OTHER SERVICE**

Ghana Airforce/Ministry of Aviation/Aviation Service Providers in Ghana 2014 - Present  
Workshop Organizer  
Provides consultancy and training for flight crew/maintenance personnel on Safety Management System (SMS), Human Factors and Crew Resource Management (CRM).

Provides Subject Matter Expertise on aviation policies and issues to governmental units and other allied service providers.

Assist the Ghana Air force to periodically assess their SMS program and help with continuous improvement of operational safety and accident prevention efforts.

## **Mentorship**

Presbyterian Boys High School Mentorship Program 2015 - Present  
Program Coordinator, Concept Originator  
Team member of a proactive drive to mentor second cycle students, through engagement and positive role-modelling. We aim to build the human capacity of high school students and prepare them with critical life skills such as effective leadership, team building, effective communication, and integrity.

## **Public/Community**

Freedom Church 2016 - Present  
Workshop Organizer  
Community outreach and evangelism through art, craft, music, and food.

Church of Pentecost International 2014 - Present  
Program Organizer, Member  
Providing positive mentoring and coaching to second cycle and pre-university students in critical skills areas such as leadership, time management, decision making, task prioritization, effective learning strategies, and pragmatic career choices.

Gospel Outreach Church 2012 - 2015  
Committee Member, Church Outreach to Shelters and Evangelism  
Community Outreach to shelters to share food and provide music for the homeless during summer and winter festivities. Part of the Church Band.

## **Directed Student Learning**

Dissertation Assistance/Support to Graduate Student, Saint Louis University, Aviation Program (2020)

Provided research and statistical analysis support for Captain Abdul Alliu, a PhD candidate in Aviation during his dissertation proposal, writing and eventual defense. "Crew Resource Management in Nigerian Airline Operations"

Dissertation Assistance/Support to Graduate Student, University Of North Dakota Aviation/Aerospace Sciences (2018)

Provided research and statistical analysis support for Andrews Leonard a PhD candidate in Aerospace Sciences during his dissertation proposal, writing and eventual defense.

Guest Lecture, Aviation Department, University of North Dakota 2017 Aviation  
495 - Global Aviation: Gave 2 lectures on Trends in aviation within the global perspective to seniors as part of their capstone courses.

## **CONSULTANT ACTIVITIES**

Ghana Airforce and Ministry of Aviation. Republic of Ghana 2014 - Present  
Capacity Building and Training  
Safety Management Systems Appraisal and Training Outcome Effectiveness.  
Operational Audit of Infrastructure and facilities.  
SMS Capacity Building and Training and Certification for Personnel.  
Human Factors Training for Operations.

## **HONORS/AWARDS**

Collegiate Aviation Graduate Poster Presentation October 21,  
2015, University Aviation Association  
Third place in a peer-reviewed poster presentation at UAA. - Adjekum, D. K., Keller, J., Walala, M. (2015). Relationship between Safety Culture Perceptions and Safety Reporting Behavior in Collegiate Aviation. Poster Presentation at University Aviation Association Fall Conference. Salt Lake City, UT. October 2015.

Designated Subject Matter Expert (Roll of Experts) -Flight Safety. November 14,  
2014, International Civil Aviation Organization (ICAO).  
-Added to the roll of designated subject matter experts in the ICAO roll of experts and consultants.

Ghana Golden Jubilee Military Award. March 6, 2008  
President of the Republic of Ghana and Commander in Chief of the Ghana Armed Forces.

-For meritorious military service, leadership, and response to national duty during the 50th Anniversary of Ghana's independence Celebration.  
-Distinguished services in providing flight services and leadership for VVIP during the Ghana@ 50 celebrations.

Distinguished Scholar and Best Graduate Officer (Post Graduate Course in Public Administration). December 3, 2006  
Ghana Armed Forces Command and Staff College.

-Overall Best Student in the GIMPA Post Graduate Course in Public Administration (Distinction) during the Command and Staff College Course 53.  
-Myhoung Hall Award for the Most Distinguished Scholar in Public Discourse and Debates  
-Awarded for exceptional contributions to topical discourse and debates during sessions for graduate officers on topical issues relating to geopolitics, military strategy, leadership, economics, public administration, public sector law and military command.

## **Editorial and Review Activities**

Invited Manuscript Reviewer, "The Open Transportation Journal," Bentham Open Group, 1 review. (August 30, 2018 - Present).

Invited Manuscript Reviewer, "Collegiate Aviation Review International.," University Aviation Association, 1 review. (July 17, 2018 - Present).

Invited Manuscript Reviewer, "Aerospace — Open Access Journal of Aeronautics and Astronautics," MDPI Basel, Switzerland, 2 reviews. (April 10, 2018 - Present).

Invited Manuscript Reviewer, "International Journal of Aviation, Aeronautics, and Aerospace.," Embry-Riddell Aeronautical University Worldwide, 3 reviews. (May 8, 2017 - Present).

Invited Manuscript Reviewer, "Journal of Air Transport Management (JATM)," Elsevier B.V., 2 reviews. (November 30, 2015 - Present).

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