Chadia Affane Aji, Professor
Mathematics
College of Arts and Sciences
Publications and Presentations

BOOKS

REFEREED JOURNAL PUBLICATIONS

¥ Chadia Affane Aji , M. Javed Khan, Virtual to reality: Teaching Mathematics and Aerospace Concepts to undergraduates Using Unmanned Aerial Systems and Flight Simulation Software, under print in Journal of College of Teaching and Learning, 2015

¥ James Holt, Saad Biaz, Levent Yilmaz, and C Affane Aji, ÒA Symbiotic Simulation Architecture for Evaluating UAVs Collision Avoidance Techniques,Ó Journal of Simulation, Palgrave MacMillian, Volume 8, Issue 1, 2014

¥ Chadia Affane Aji, Lauretta Garrett, & Saad Biaz, ÒThe Integration of Scilab into College Calculus,Ó Alabama Journal of Mathematics, 37, 2013
http://ajmonline.org/2013/scilab.php

¥ James Holt, Saad Biaz, and Chadia Affane Aji, ÒComparison of UAS Collision Avoidance Algorithms in a Simulated Environment,Ó Journal of Guidance, Control, and Dynamics, Editor: the American Institute of Aeronautics and Astronautics (AIAA), Volume 36, Issue 3, 2013

¥ C. Affane Aji, N. K. Govil, ÒOn the Region Containing All the Zeros of a Polynomial,Ó Nonlinear Analysis: Stability, Approximation and Inequalities, Edited by P.G. Georgiev, P. Pardalos, and H.M.Srivastava, Springer Optimization and Its Applications 68 (2012) 39-55

¥ C. Affane Aji, S. Biaz, N. K. Govil, ÒOn Annuli Containing All the Zeros of a Polynomial,Ó Mathematical and Computer Modeling, 52 (2010) 1532-1537

¥ C. Affane Aji, H. Elalaoui-Talibi, ÒA Partitioning Algorithm for Computing Limiting Distributions of Ill-Conditioned Markov Chains,Ó Advances and Applications Statistical Sciences, No. 2, (2010) 511-519

¥ C. Affane, Saad Biaz, S. Elnashai, F. Uhlig, ÒA Geometr

Teacher Education (SITE), 2012

PRESENTATIONS, POSTERS, AND HIGHLIGHTS

¥ Video lecture production with any tablet, Presentation at the Online Faculty Development Workshop, March 18, 2015
¥ Using iPad and Wacom tablet to create your own video, Presentation at the Office of Distance Education and Online Learning (ODEOL) workshop, March 10, 2015
¥ Invited lecture, The Nation, Culture, and Architecture of Morocco. Presentation to students and faculty in Robert R. Taylor School of Architecture and Construction at Tuskegee University, February 25, 2015

¥ Virtual To Reality: Teaching Mathematics And Aerospace Concepts To Undergrads Using Unmanned Aerial Systems And Flight Simulation Software, accepted for oral presentation in the 2015 International Education Conference in Maui, January 5-7, 2015
¥ An Investigation Of Spatial Visualization Skills Of Minority Students, accepted oral presentation in the 2015 International Education Conference in Maui, January 5-7, 2015
¥ Using i

University, T-CAEIL Workshop, January 2014

¥ Innovative Flight Simulation Experiences for Students & Teachers: Integrating a Flight Simulation Environment in the Classroom to Teach Math and Science Concepts, Poster presented at the NSF ITEST STELAR, Washington DC, August 2014

¥ Numerical Methods for Solving Nonlinear Equation, Presentation for mathematics senior students seminar, November 4, 2013

¥ Wacom Tablet and Video Preparation, Presentation for the Online Teaching Center at Tuskegee University, October 23, 2013

¥ Using a UAV to Teach Undergraduate Math and Aircraft Performance, Presentation at the American Society of Engineering Education (ASEE), Annual Conference and Exposition, 23-26 June 2013, Atlanta, GA

¥ The Integration of Scilab into College Calculus, Presentation at the Alabama Association of College Teachers of Mathematics (AACTM) Annual Meeting, Birmingham Southern College, Birmingham AL, Feb 2013

¥ Integrating a flight simulation environment in the classroom to teach Math and Science concepts, Poster presented at the NSF ITEST Summit, Washington DC, February 29-March 1, 2012

¥ Integrating a Flight Simulation Environment in the Classroom to Teach Math & Science, the International Society for Technology and Education (ISTE), Poster, 2012

¥ The Development and Implementation of a Flight Simulation Based Environment for Teaching Math and Science, Society for Information Technology & Teacher Education (SITE), Poster, March 5-6, 2012

¥ Integrating a flight simulation environment in the classroom to teach Math and Science concepts, Poster presented at the NSF ITEST Summit, Washington DC, March 4-8, 2011

¥ Integrating a flight simulation environment in the classroom to teach Math and Science concepts, Poster presented at the NSF ITEST Summit, Washington DC, March 4-8, 2010

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