



# Impariamo

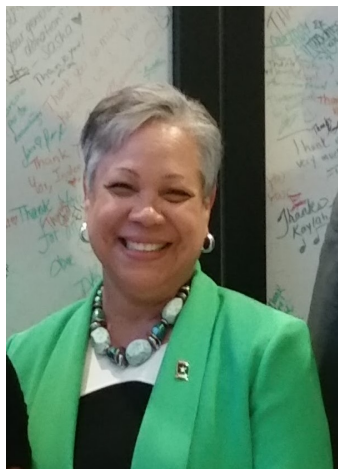
"A newsletter for the Intelligence Community Centers for Academic Excellence"



November 2017

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## Director's Corner



**Noemí Pizarro-Hyman**  
IC CAE Program Director

Greetings!

I sincerely hope that you fully enjoyed summer! During November and December, the IC CAE Program Managers (PM) will be engaged in site visits. Site visits are the perfect way to see your program's progress and provide a forum for students and other stakeholders to share with us helpful information to positively impact the program.

In 2018, our calendar is chuck-full of activities, to include supporting the colloquiums, seminar, and school visits. To that end, I would like to ask that you let us know at least 30 days in advance so that we can reach out to the appropriate stakeholders to provide support. We encourage your submissions (research, internship experiences, presentations, etc.) for inclusion in the Impariamo.

One of the very first activities to take place in 2018 will be the Professional Development Summit. On February 7-9, 2018, the Florida International University's IC CAE program will host the Summit. Faculty and Intelligence Community members will have an opportunity to share information that will "sharpen the saw".

To close, the staff and I would like to wish you a grateful Thanksgiving and a joyous holiday season, and we thank you for your commitment.

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### Upcoming Main Calendar Events

- Faculty Professional Development Day at Florida International University  
7-9 February 2018



## DIA AND DoD INTERNSHIP PROGRAMS

### **Make a difference while pursuing your education.**

Are you curious about foreign cultures and the hidden forces that affect the world globally? Do you excel in areas such as problem solving, critical writing, or learning new languages? Are you passionate about serving your country and supporting the men and women who defend our great nation around the world? If so, we invite you to learn more about DIA's student internship opportunities. DIA offers programs for high school graduates, undergraduate, and graduate students.

DIA's student internship programs provide high-achieving university and college students from accredited institutions throughout the U.S. with the opportunity to use their degrees in real world settings while continuing their education, thereby better preparing them for careers upon graduation.

DIA provides military intelligence to warfighters, defense policymakers, and force planners in the Department of Defense and IC in support of U.S. military planning, operations, and acquisition. We plan, manage, and execute intelligence operations during peacetime, crisis, and war.

<http://www.dia.mil/Careers/Students/>

### **Student Programs**

1. Academic Semester Internship Program
2. Cooperative Education Program
3. Louis Stokes Educational Scholarship Program
4. National Security Education Program
5. Science, Mathematics and Research for Transformation
6. Summer Internship Program





## Student Engagement with National Security

### National Security Studies Program

*Written by Jodi B. and Regina G.*

California State University IC CAE Consortium students experienced a myriad of opportunities this past summer, and are anticipating new ones in the fall.

Last summer, nine students attended either intensive summer language programs or national security-focused seminars. Four students studied foreign languages in the U.S.: two individuals focused on Arabic, one on Mandarin, and one on French. Five students traveled abroad to Europe, the Middle East, and Asia. One student went to Jordan for a military scholarship, another to the Czech Republic to study Chinese domestic and foreign policy, and a third student studied Russo-European security and politics in Estonia. Finally, two students traveled to England for sessions on international security and intelligence.

In July, eight IC Scholars attended DefCon in Las Vegas, Nevada. As one of the largest hacking conventions in the world, DefCon provided the chance to gain a deeper understanding of current developments in cyber security. They were presented with a unique opportunity to examine how the IC and private organizations view these issues.

Students were active in the Beltway as well, with twelve participating in the June and August DIA IC CAE summer seminars. During both seminars, students interacted with IC representatives and learned about each agency's mission. For each

seminar session, our students earned awards in writing, effective leadership, and most valuable team member.



To further encourage student engagement with national security, a new student organization has been founded at California State University, San Bernardino (CSUSB).

CSUSB's National Security Studies Club, NatSec, welcomes all majors, given that national security is inherently multidisciplinary. NatSec seeks to increase awareness of IC career and internship opportunities for members and promote the knowledge, skills, and general qualities essential for a path towards possible employment within the IC.

On November 3, 2017, NatSec will host its inaugural Intelligence Simulation Workshop. The day includes a morning session, the workshop, and an afternoon session. First, students will be introduced to the simulation task. During the workshop, students will be divided into teams. Each team will work to analyze sources and produce an intelligence product. The afternoon will include group presentations of their final product. Students will learn how the IC collects, considers, and communicates information to serve the national security interests of the U.S.

Opportunities for students to engage in the field of national security continue at CSUSB.



## Using a Rising-Tide to Prepare Students for America's Global Markets

The vision of the Intelligence Community Center for Academic Excellence (IC-CAE) program reflects the Office of the Director for National Intelligence, which states *"A Nation made more secure because of a fully integrated Intelligence Community."* Norfolk State University (NSU) has been at the helm of this vision since the Centers for Academic Excellence was implemented in 2006. First as a stand-alone program, it later partnered with three other HBCU's to form the Mid-Atlantic Consortium with Morgan State University as the lead institution. The NSU IC-CAE program has continued to train and expose undergraduate/graduate students to the possibilities of the Intelligence Community. Situated in Norfolk, VA, among the largest Naval Base on the east coast of the United States, NSU's IC-CAE program has continued to explore ways to develop synergy to address the needs of its stakeholders and local community partners. Last summer, the Director, Dr. Camellia Moses Okpodu, applied and was awarded a fellowship in the Department of Homeland Security (DHS) to participate in collaborative research with the University of North Carolina's (UNC) DHS Center of Excellence and study coastal resilience and sea-level rise via Old Dominion University. Dr. Okpodu and her research team have been featured on both UNC's (<http://coastalresiliencecenter.unc.edu/ga-dr-camellia-okpodu-norfolk-state-university/>) and ODU's websites (<https://sites.wp.odu.edu/odudhscrcproject/>).

In addition to developing an Institutional Review Board approved survey instrument to collect data about the perception of African Americans in the Hampton Roads area on both climate change and sea-level rising, Dr. Okpodu also worked on a basic research question related to building and maintaining the wetlands so they can serve as a way to mitigate storm surge. She specifically looked for epigenetic markers in several grasses and crop species to better understand their adaptive ability to a rising sea-level and soil salinity. Her research has implications for identifying and creating genomic markers that could also relate to crop improvement and selection. Providing plants in the landscape that help with mitigation has a long-term implication on disaster recovery needs, vulnerabilities, stakeholder interests, resilience and community development – all of these have also been identified by the Commonwealth of Virginia and the US Navy as germane to national security.

One of the outcomes of this summer's effort, in addition to training students to work on the project, was that Dr. Okpodu also proposed the development of new curricula. The new courses will be included as part of NSU's undergraduate National Security Certification. These new courses will place emphasis in urban agriculture, food security, and emergency preparedness. Dr. Okpodu has continued the work and the Center now has a new strategic partnership with Virginia Tech's (another IC-CAE school) Biochemistry Department to study metabolomics in crops that will be of importance to the economy of the region and will be potentially impacted by climate change and rising sea-level. Dr. Okpodu will be collaborating with Dr. Glenda Gillaspay, who is the Biochemistry Department Chair, and a plant biochemist pursuing work on plant responses to the environment.



**Okpodu's DHS Research Team Summer 2017** – (L to R) Raisa Barrera (NSU Undergraduate); Isaiah Amos (ODU graduate student) and Dr. Camellia Moses Okpodu, Director of DIA design-



# Penn State launches interdisciplinary Center for Security Research and Education

October 9, 2017

UNIVERSITY PARK, Pa. — Penn State has announced the creation of a new center designed to bring together the University's many strengths in all aspects of national, homeland and global security. The new [Center for Security Research and Education](#) (CSRE) incorporates 10 Penn State colleges, schools and research units to focus a broad range of academic endeavor on society's most critical threats.

"This center will allow us to use the breadth and depth of our University to work on security — an issue that is critically important to our world," said Penn State President Eric Barron. "This is an example of how we envision our shared future: with many areas of excellence, and people who are strategic and focused on living our land-grant mission of service to society."

The Center for Security Research and Education will support and promote the University's research, teaching and public outreach programs related to security, with scholars from diverse disciplines pursuing interdisciplinary research and solutions to contemporary security challenges. In addition, CSRE will work with Penn State faculty and outside experts to educate policymakers, the media, the public and Penn State students.

*"Penn State has tremendous strength in a variety of separate disciplines relevant to security."*

Read more at:

<http://news.psu.edu/story/486774/2017/10/09/impact/penn-state-launches-interdisciplinary-center-security-research-and>

<http://news.psu.edu/story/486084/2017/10/12/academics/ist-receives-44-million-grant-educate-next-cybersecurity-leaders>

Florida International University's Jack D. Gordon Institute – an intelligence community center for academic excellence – has had quite a busy fall 2017 semester. In late August at an evening ceremony attended by friends and family, the Gordon Institute formally inducted 36 students into the 2017-2018 class of FIU's IC CAE Intelligence Fellowship. Designed to fuse rigorous academics with practitioner mentorship, professional development and research exposure, the Intelligence Fellowship is a work force development program that strengthens FIU students' competitiveness to secure a job in the U.S. Intelligence Community. Navy Rear Admiral Mike Studeman, Director of SOUTHCOM J2 Intelligence Directorate delivered the Intelligence Fellowship Induction Ceremony's keynote address, commending the Fellows for initiating an arduous year-long professional development journey that will surely test their resolve. His words of wisdom invigorated the Fellows as he reminded them that just as "the strongest steel is forged in the hottest fire," so too will this process sharpen their mettle. In closing remarks, Ms. Noemi Pizarro-Hyman, IC CAE Program Director praised the incoming Intelligence Fellows for their commitment to a career in the defense of the nation and reminded them of the need to be agile and malleable in their pursuit of a career in the IC.

September brought great news as the IC CAE Program Office selected FIU's proposal to establish a South Florida IC CAE Consortium as the winning FY 17 FOA 'sustaining applicant' bid. The Consortium will continue FIU's original IC CAE program and expand it to the most significant and influential mi-

nority serving under-resourced and Historically Black Colleges and Universities in South Florida—Broward College, Miami-Dade College, and Florida Memorial University. Reaching more than 200,000 students, the SFL IC CAE Consortium will expand and sustain a South Florida-based intelligence community workforce development program through rigorous and integrated national security and intelligence studies curriculum, research exposure, mentorship and professional development, in order to cultivate the pool of talent available to the U.S. Intelligence Community.

Mother Nature also made an appearance early in September as Hurricane Irma battered South Florida disrupting the lives of millions of Floridians. The category 5 storm severely affected the local community leaving a path of destruction that knocked out electricity for weeks for many across Broward, Miami-Dade, and Monroe counties. In response to the hardship faced by the community, the Gordon Institute and Intelligence Fellows partnered with the United Way to clean up and restore a local park that was devastated by Irma's storm surge. Out of adversity and tragedy, the Intelligence Fellows seized the opportunity to help the community and demonstrated their commitment to public service.



## CSU IC CAE Participates in a Security and Intelligence Roundtable Discussion at FBI Chicago



Chicago State University  
Security and Intelligence Studies (SIS) Program  
By: **Brandon Hawkins, Sr. (SIS Minor)**

On October 12, 2017, the IC CAE at Chicago State University was invited to participate in a roundtable panel discussion and a tour sponsored by the Chicago Office of the Federal Bureau of Investigation (FBI). Along with CSU students and faculty, there were activists from local communities, police officials, administrators from both the Chicago Office of Police Accountability (COPA), and the FBI. The CSU contingent included: students, faculty from the Schools of Education, Computer Science, Business, and Foreign Language. The purpose of the panel and tour was not only to highlight and explore the use of force continuum currently employed by law enforcement agencies across the country, but more importantly, to foster a better understanding between the community and law enforcement regarding the process involved in use of force situations and subsequent investigations that immediately follow.

At the beginning of the panel, the FBI gave an introduction on agency laws such as: Bank Robberies, Kidnappings, Counter Terrorism, Cyber Security, and Counter Espionage. Furthermore, The Violations of Civil Rights law investigates allegations of excessive use of force by law enforcement officers. During the panel, participants were shown short video clips of actual police shootings (previously adjudicated) from different angles and points of view. The panelists were then given a remote control device that allowed them to vote anonymously as to whether they thought the shootings were justified, not justified, or indeterminable. After viewing the video clips, some perspectives changed from almost anti-police to a more supportive position. This set the stage for the second part of the evolution, later panelists were organized into two teams.

While one team was given a tour of the FBI's firearms vault, where they were exposed to the many weapons systems carried by law enforcement and the types of weapons recovered in crimes from actual criminals, the other team was given a crash course in "Shoot - Don't Shoot" situations utilizing the F.A.T.S system. F.A.T.S stands for Firearms Training Simulator. It is an entirely interactive system that uses computer generated scenarios, a large screen, and very realistic firearms that are loaded with sound producing computer chips, instead of ammunition. It looks somewhat like a big video game, but it is definitely not a game. The F.A.T.S system is used in law enforcement and military training. It allows trainees to experience and respond to situations that they may face on the streets or battlefields. On this day, the trainees were the panelist from both teams. By all accounts, the experience was a little stressful as well as instructive. The exercise put the panelist in the shoes of law enforcement and gave them a firsthand experience in use of force situations.

Finally, after the tour and the practical exercises, the teams were brought back to the roundtable where they were encouraged to openly discuss the day's tour and practical exercises. They were also asked to give feedback as to the true value of this type of roundtable discussion and if they would recommend this type of discussion to their communities and agencies. The vote was universal. The discussion bridged the understanding gap between local law enforcement and the community, where it concerned use of force situations and their subsequent investigations.

University of Oklahoma 2017 Intelligence and National Security Colloquium  
Hosted by the University of Oklahoma Center for Intelligence and National Security (OU CINS) in partnership with the Gaylord College of Journalism and Mass Communication, the 2016 Intelligence and National Security Colloquium was held on September 13, 2017.

**Student Research Showcase Session:** Consisted of oral presentations and highlights from the work of students in the areas of **'Statistical Video Segmentation'** (David A. Dicharry, University of Oklahoma) and **'News Article Text Classification'** (Colin L. Torbett, University of Oklahoma). Mr.

Dicharry is pursuing an MS in Electrical & Computer Engineering from the Gallogly College of Engineering at the University of Oklahoma. He has worked as a Graduate Research Assistant and Graduate Teaching Assistant at the University of Oklahoma, and a researcher at the Air Force Research Lab Sensors Directorate. Colin L. Torbett is a graduate student pursuing a MS in Data Sciences and Analytics from the Gallogly College of Engineering at the University of Oklahoma. He received two BAs in History and Political Science, as well as a minor in Intelligence and National Security Analysis from the University of Oklahoma. Mr. Torbett currently works as a Graduate Research Assistant in the Center for Intelligence and National Security and at the Center for Human Performance Measurement. He was employed as an unmanned aerial systems (UAS) engineer for a small defense contractor in 2015, refurbishing outdated systems and constructing payloads. He speaks near-fluent French, has a working proficiency in Turkish, and limited proficiency in Sorani Kurdish.



The Colloquium concluded with a panel of senior managers discussing 'Intelligence Community Internship Opportunities'. That session brought together CIA, DIA, and NGA representatives offering insights into IC internship and career opportunities: Maura Burns (Director of Analysis, Weapons and Counter Proliferation Mission Center, Central Intelligence Agency); Noemi Pizarro-Hyman (Chief, Intelligence Community Centers for Academic Excellence, Pat Roberts Intelligence Scholars Program, and National Security Analysis and Intelligence Summer Seminars, Academy for Defense Intelligence, Defense Intelligence Agency); and Andrea M. Root (Deputy Director of the Office of Analytic Tradecraft within the Analysis Directorate and the Division Chief of the Analytic Tradecraft Division, National Geospatial-Intelligence Agency).

The OU Multicultural Engineering Program and OU CINS cosponsored a CIA information session on September 12. Additional events for students held in conjunction with the Colloquium included the Sooner Showcase Career Fair on September 13 and the Engineering Career Fair on September 14. All events were conducted on the OU Norman campus.





## **RUTGERS INSTITUTE FOR VIOLENCE PREVENTION AND COMMUNITY SAFETY**

The *Rutgers Institute for Violence Prevention and Community Safety* brings together various experts from across Rutgers University with domestic and international partners in the public and private sectors to conduct research, develop practical initiatives, and provide education and training on the protection of society from dangers affecting safety and welfare. Ava Majlesi is the acting director of the Institute, with [John J. Farmer, Jr.](#) serving as chair to the Institute's external advisory board, and [Richard Edwards](#) serving as chair to its internal advisory board.

Intended to capture the breadth of expertise resident at Rutgers across the spectrum of specialties relevant to public safety and welfare, the Institute was created to better coordinate and build on Rutgers' recognized strengths and core competencies. As an initial matter, the Institute is composed of three centers which share the goal of enhancing the safety and welfare of society while maintaining three separate, but complementary, mission spaces:

### **Miller Center for Community Protection and Resilience (CPR)**

Director: John Farmer

### **Center for Intelligence Studies**

Director: John Cohen

Rutgers became a federally-designated Intelligence Community Center for Academic Excellence (IC CAE) through a grant award from the Defense Intelligence Agency in January 2015. Since that time, Rutgers University-New Brunswick has established a popular, new minor in Critical Intelligence Studies in collaboration with the SAS political science department; executed a number of certificate programs in intelligence/national security for undergraduate and graduate students across the University; hosted conferences on the most pressing issues in the field; and developed programs to prepare students for potential careers within the intelligence community. The Center for Intelligence Studies will continue the work of managing and implementing all existing and new endeavors related to the IC CAE Program.

This Center will also leverage ties with federal agencies and others to expand educational and career opportunities for (1) Rutgers students through increased opportunities for interaction with law enforcement and intelligence professionals and (2) practitioners in the field by leveraging classroom and distance learning resources.

### **Center on Policing (CoP):**

Director: Linda Tartaglia

Executive Policy Advisor: Thomas O'Reilly



## Visiting the DIA?

We welcome every opportunity to showcase the DIA and what the agency offers our IC CAE Scholars. However, the timing conflicts with our planned trips to IC CAE schools. In order for us to better serve you, notify the IC CAE Program Manager's Office **at least one month in advance** so that we can plan the logistics for your visit. Thank you for contacting us and we look forward to hosting future visits. The ultimate goal of the IC CAE Programs is to build awareness and hire students to work in the IC.

## Visit Requirements:

To facilitate your visit, we must get your group access to the military installation onto JBAB and DIA.

### Base Access for Visitors to Joint Base Anacostia Bolling Without Clearances/Blue Badges/CAC Cards:

- Visitor's Full Name (First, Middle, Last)
- Visitor's DOB
- Visitor's POB
- Visitor's Drivers License or Passport #
- Visitor's Car Info: Make & Model
- Visitor's License Plate Info: State, Plate Number (Rental car: Indicate "Rental Car, information not available")

### DIA Building Access Information

- Visitor's Full Name (First, Middle, Last)
- Visitor's DOB
- Visitor's SSN



## Newsletter Submissions

*Limit your submissions to 428 words or less. Prior to submitting, review your publications for edits, and send plenty of photos! Thank you!*

*The **Impariamo** is a quarterly newsletter for the IC CAE Community. Please send any article concepts or exciting news to [IC-CAE\\_Impariamo@dodiiis.mil](mailto:IC-CAE_Impariamo@dodiiis.mil)*