

COLLEGE OF BUSINESS, SECURITY AND INTELLIGENCE

***TAPA Americas Webinar:***

***“Partnering with Universities to Enhance  
Supply Chain Security Programs”***

**Wednesday, April 26 at 1:00 PM EDT**

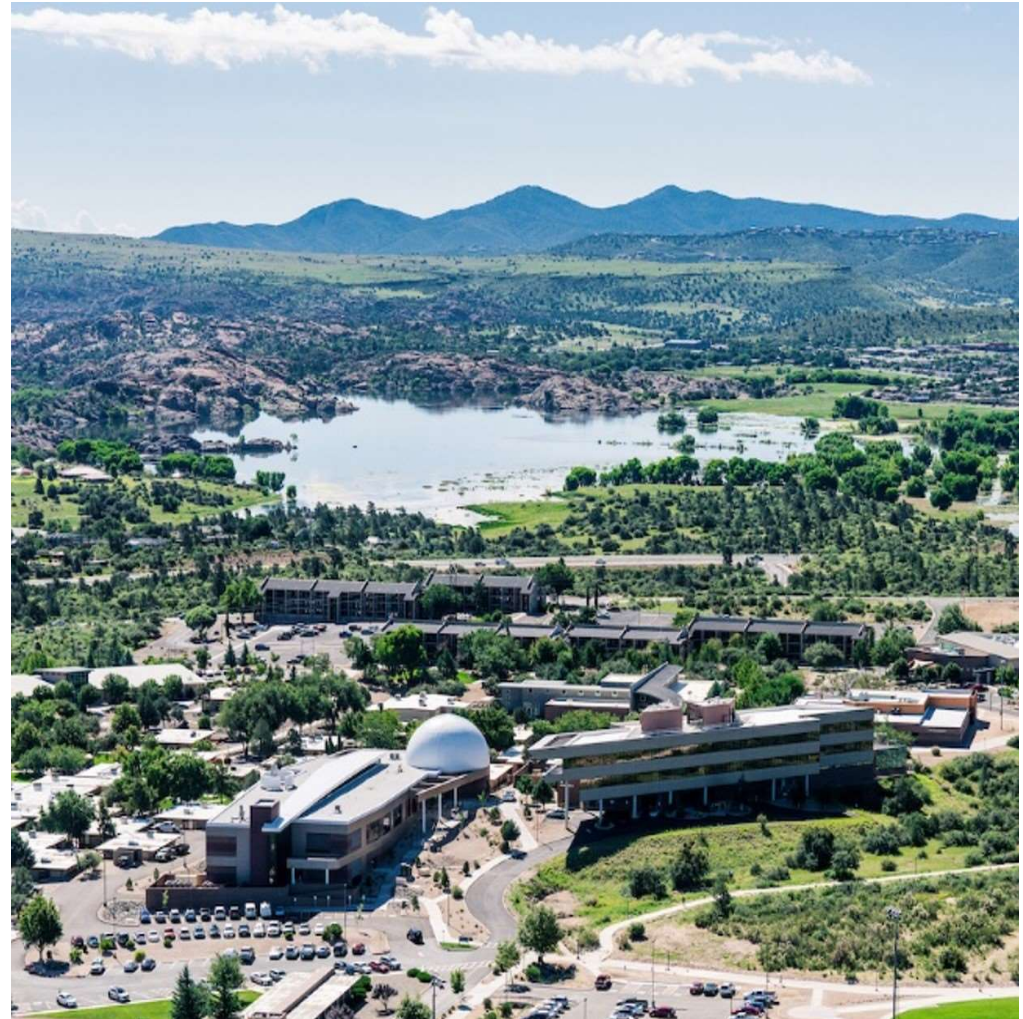
**EMBRY-RIDDLE**  
Aeronautical University

<https://www.youtube.com/watch?v=PoP2Sa7wYNQ>

# Embry-Riddle Aeronautical University

College of Business, Security  
and Intelligence (CBSI)

Prescott, Arizona



**Reg P. Parker** C.A.S., M.S., PMP, CPP

**Associate Professor Corporate Security**

**Chair – Global Business and Supply Chain Management Program**

College of Business, Security and Intelligence

Embry - Riddle Aeronautical University

3700 Willow Creek Rd.

Prescott, AZ 86301

Office: (928) 777 – 6755 Cell: (480) 390 - 5452

[Parker17@erau.edu](mailto:Parker17@erau.edu)

**Reg P. Parker** C.A.S., M.S., PMP, CPP

**Associate Professor Corporate Security**

**Chair – Global Business and Supply Chain Management Program**

- 40 year Technical Program Manager career with General Electric, STERIS, Motorola/NXP Semiconductors
- Managed Motorola Global (Reverse Supply Chain) Reclaim program
  - Intellectual Property controls
  - Import/export of compromised IP materials
  - Corporate liaison with US Customs
  - Managed corporate anti-counterfeit team

## *How do we begin?*

*“Partnering” begins with communication and dialog.*

- *Call us and tell us where you think you need help*
- *Together, we frame the question and create a scope of work.*
- *Together, we will determine our collective competencies and determine our next steps*

**The College of Business, Security and Intelligence is unique and is not a criminal justice program. We are intelligence focused.**

- **“Intelligence”, collection methods, data analysis and reports are critical to provide information for decision advantage (*Government or Corporate*)**
- **“Security” (physical or other) cannot effectively exist without proper intelligence!**
- ***Global Supply Chain Security and Resilience requires intelligence, security methods, early and reliable information to effect decision advantage by business managers.***

## **Class Focus and internship work:**

**Students focus on intelligence studies, fraud, investigations, emergency response, physical and personnel security including design for complex, hardened facilities and asset protection.**

- **Students have completed professional case studies with ASIS International Phoenix Chapter and have published reports.**

**Many students obtain full semester internships or “micro-internships” with corporations. (remote or at physical locations).**

- **Micro internship = 2 - 8 weeks to solve a specific problem or issue**

**Interns self motivated: Require little guidance and are effective resource**

**Supply Chain students complete a project and must import a product from China and follow C-TPAT protocol to final delivery at address in central USA.**

### **Topics addressed in Supply Chain Classes:**

- *TAPA, ASIS and ISO Standards.*
- *C-TPAT and maritime shipping / container security initiatives.*
- *Air Cargo Security and Airport Security*
- *Multi-modal risks and cost analysis*
- *Process mapping and risk analysis for every step in the supply chain*
  - *Single Point of Failure analysis and the “Red Queen Hypothesis”*
  - *Vulnerability, Threat and Risk analysis*
- *HTS codes, import taxation rates, Risks associated with chosen INCO Terms*
- *ACE Single Window information exchange*
- *ITAR, EAR, Dual Use, USML in export*
- *Risks associated with different carrier types and models of cargo consolidation*



## Supply Chain Robustness: Utilize an Integrated Systems Approach!

- **Examine your intelligence data:** What do we know, can we learn more?
- **Know your BOM:** Materials, hierarchy and who does what and where
- **Process Map** your identified flows, timing, problems and risks
- **Identify problems:** apply systematic problem solving to resolve known problems
  - **Drill deeper to get 'root cause'** and make responsive systems changes
- **Priority Rank your risks** according to *awareness v. uncertainty*
- **Actively manage the** environment to position risks in more favorable conditions for reduced impact or positive outcome
- **Do not remain static:** Actively seek intelligence to manage risks
- **Use a Systems approach to LEARN and then proactively manage your business**
- **Employ Continuous Improvement Methodologies**
- **Develop suppliers to your level of expectation: Share Information and train them**
- **SURVIVE as a business entity!**

**Process Mapping: A risk, threat and vulnerability analysis in the supply chain where every opportunity for Single Point of Failure can be anticipated and managed**





Undergraduate Research Institute (URI) promotes ***research, scholarly and creative activities*** at the undergraduate level. URI is university-wide and invites students and faculty from all disciplines to participate.

### Why participate in URI?

- Gain hands-on research experience
- Participate in national competitions
- Strengthen your resume
- Network with industry leaders, faculty and students

## Are Masks Mightier than the Sword?

- Nicholas Van Vliet – Senior (Fall 2022) Global Security and Intelligence Senior
  - Security Operations Management - Russian Language
- 3 Internships - Boeing, US Naval Research Laboratory, Praescient Analytics
  - 3 Roles - Industrial Security Specialist, Human Trafficking Researcher, Business Development Specialist
- Are Masks Mightier than the Sword?
  - COVID-19, Conflict, and Inequality
  - URI Opportunities
    - Thesis, Internships, Experience, Networking, Future Research





Undergraduate Research

## CyberAero

The goal of CyberAero is to teach students cybersecurity through gamification

Capture the Flag topics include:

- Coding
- Digital Forensics
- Password Cracking
- Open-Source Intelligence
- Physical Security



Team and individual competition

URI allows us to offer this competition for free

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## Background Information

# Global Security and Intelligence Studies

**Eagle Eye Intelligence Report - published by students with wide circulation among intelligence community and private corporations**

**Faculty with real world experience – CIA, FBI, Corporate Security Managers, Corporate Supply Chain and Logistics, Military Officers**

**Outstanding Language Faculty – Arabic, Chinese, Russian, Spanish**

**Outstanding Students – Grant Hashimoto received the inaugural Governor Thomas J. Ridge Endowed Scholarship from Intelligence and National Security Foundation (INSF)**



Dr. Tom Foley

# School of Business



**AAB**International

Leading the World in the Advancement  
of Aviation Education Accreditation

## Boeing Focus School for Supply Chain Management

Prestigious industry internships

Boeing Business Fundamentals Course

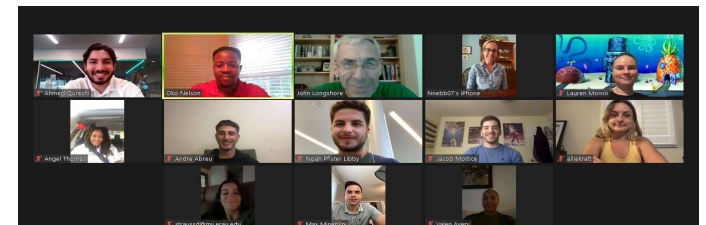


Dr. Jules Yimga

CFE certification goal of the Forensic Accounting and  
Fraud Examination (FAFE) program - Eligible for FBI,  
CIA, and other gov. agencies



World-class problem-based “Business Consulting”  
program with real global industry clients





# School of Business 2022 Student Consulting Projects



Krovel Yachts Norway



ITS Norway  
Intelligent Transportation Systems

Porsche Consulting



World View  
Arizona



**BIRDS EYE AERIAL DRONES**

Actionable Aerial Intelligence For A Smarter,  
Safer World



Hydrolift Smart City Ferries Norway

## Cyber Intelligence and Security (CIS)

- Winner of DoD and NSF Cyber Scholarship grants



Computing  
Accreditation  
Commission

- Host many cybersecurity competitions



DHS/NSA  
CAE-CD



- Industry-sponsored multi-disciplinary research projects



- Winner of 2021 AIAA/Aviation Week's 20 Twenties award



- Selected into the RSA Security Scholars Program

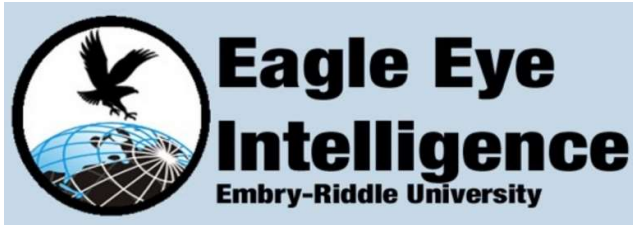


Dr. Krishna  
Sampigethaya

**EMBRY-RIDDLE**

# STUDY ABROAD AND CBSI CLUBS

**EMBRY-RIDDLE**  
Aeronautical University



Cyber Defense Club

Association of Certified Fraud Examiners Student Chapter

Association of Former Intelligence Officers

Ethical Hacking Club

C-Sec

Aviation Business Networking Club

Future Business Leaders of America

Global Affairs Club

Cyber Alliance (Women in Cybersecurity)

Order of The Sword and Shield Honor Society

American Association of Airport Executives



## **INDIA: Failed Peace Talks with Beijing Will Probably Only Lead to Border Skirmishes**

**Summary:** New Delhi and Beijing's failed attempt to reach an agreement on disengagement goals regarding the Line of Actual Control (LAC) at the recent peace talks will likely not escalate conflict levels.

**Development:** On 10 October, New Delhi and Beijing held the 13<sup>th</sup> round of peace talks to discuss disengagement actions on the LAC. However, the talks ended in a stalemate with each side blaming the other for the failure. Beijing accused New Delhi's of making "unreasonable and unrealistic demands," and in turn, New Delhi blamed Beijing for not providing any "forward-looking proposals," according to the Indian Express. Indian Army Chief General Manoj Mukund Naravane said that despite the failed talks, both sides agreed to keep communications open and maintain stability. In recent weeks, the situation on the LAC deteriorated very quickly. Now, both troops are preparing to spend the winter in the Himalayas. Naravane stated that if Chinese troops remain on the LAC, then the Indian troops will also stay. On 11 October, Beijing warned New Delhi that, "If it starts a war, it will definitely lose," according to the Economic Times.

**Analysis:** The failed peace talks and escalating border tensions but the commitment to continue communication probably will only cause border skirmishes along the LAC. Tensions remain unlikely to dissipate, since the possibility of both troops remaining stationed throughout the winter makes the situation even more fragile. New Delhi's commitment to respond to any action taken by Beijing will likely frustrate both sides. Furthermore, Beijing's warning of war towards New Delhi also raises concerns of further military escalation. However, since both countries are keeping communication open and are actively trying to resolve border tensions, war will likely remain the last resort without further attempts at peace. So, it remains unlikely that the border dispute should escalate to anything beyond skirmishes.

[Isha Patel]



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AND SUCCESS**

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