Welcome to the AFCEA Hampton Roads Chapter Virtual Meeting (AKA Veeting)

21 September 2021

NOTE: MUTE MIC, CAMERA OFF
Opening Comments

Chapter President
Larry Minnick
Agenda

• Housekeeping / ROEs
• Sponsor Appreciation
• Chapter Updates
• Guest Speaker
• Closing Comments
Housekeeping/ROEs:

- PLEASE TURN “ON” YOUR MUTE BUTTON
- PLEASE TURN “OFF” YOUR CAMERA
- PLEASE use Meeting Chat for submission of questions.
- PLEASE be respectful and non-disruptive of our presentation.
THANK YOU SPONSORS!

Making STEM Contributions Possible.

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Small Business Sponsors
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<td>Executive Vice President</td>
<td>Tim Harschutz</td>
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<td>President – Emerging Leaders</td>
<td>Caitie Johnson</td>
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<td>Vice President – Awards</td>
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<td>CDR Donnie Quilon, USN</td>
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<td>Special Activities Chair</td>
<td>Patrick Crawford</td>
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<td>Webmaster</td>
<td>Dave Harris</td>
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The lifeblood of AFCEA Hampton Roads is the dedication and commitment of our volunteers. You can hone your leadership skills by organizing and working on events and supporting the committees and subcommittees that keep the Chapter going. Each summer, our cadre of Past Presidents seeks volunteers to become Chapter Officers. For the upcoming year, we have the following openings: Communications, Membership, and Special Activities. If you would like to get involved with the organization in any capacity, please contact Tim, Neil, Palmer, or myself.

www.hamptonroads.afceachapters.org
Upcoming Events

UPDATES

- 32nd Annual STEM Classic Golf Tournament: 12 Oct 2021

www.hamptonroads.afceachapters.org
AFCEA Hampton Roads Chapter Education Program
awards 10 Scholarships

It is my pleasure to announce that the Hampton Roads Chapter selected ten outstanding candidates as AFCEA Hampton Roads 2021 Scholarship Awardees! Each candidate will receive a $2,500 check to be used towards their education.

We are considering a virtual meeting to congratulate and ceremonially award each of them soon. I will keep you all posted as the plans for that comes to greater focus.

Our congratulations to all of them and our sincere thanks for their efforts to become the Science, Technology, Engineering, and Math leaders of tomorrow!

www.hamptonroads.afceachapters.org/education/scholarships
Our primary initiative, which some of you may have heard about, is rebranding the Young AFCEANs to “AFCEA Emerging Leaders” with appropriate subcategories and the goal of better enabling and representing the diverse demographics within the 40 and under community. We will continue to update you as we make progress and always encourage you to reach out at any time with questions or feedback. Thank you for your continued support to AFCEA and the Emerging Leaders.
Membership

- The benefits of membership are many and varied, but all good! If you’re not a member today, please consider joining.

- [www.afcea.org/site/IndividualMembership](http://www.afcea.org/site/IndividualMembership)
How To Engage in Q & A

- Reminder to PLEASE use Meeting Chat to ask a question.
- Individuals will be called upon by the moderator and you will be asked to Unmute your microphone.
AFCEA Hampton Roads Welcomes

Mr. Jon Greene, Virginia Tech Associate Director for Strategic Development for Institute for Critical Technology and Applied Science
Leveraging Academia

“The society that separates its scholars from its warriors will have its thinking done by cowards and its fighting by fools.”
— Thucydides

AFCEA Hampton Roads
September 21, 2021

Jon Greene
Associate Director, Institute for Critical Technology and Applied Science
greenei@vt.edu, (540) 231-8660

Virginia Tech
Institute for Critical Technology and Applied Science
Greene’s Primer on Academia
—The Research Business Model

- Grad Student (GRA) stipend
- Tuition
- Travel
- Materials/equipment
- Small percent of faculty time
- Fringe benefits
- Indirect

$ scholarly OR peer-reviewed articles
Greene’s Primer on Academia
—The University Research Business

• Faculty members run their own, individual business
  – 1-10 (or more) students, maybe a post-doc or research faculty
  – Juggle multiple projects and students
  – Compete for best students
  – Multi-year funding is GOLD!
• Fuzzy organizational hierarchy
• There is a hierarchy among faculty members!
• University can be seen as
  – A loosely federated consortium of small businesses
  – Centers/Institutes are prime/sub alliances
• Bureaucratic business processes
Greene’s Primer on Academia
—Grant Research

- Centered on Principal Investigator
- Basic research
- Limited deliverables
- Student workforce
- Many foreign nationals
- Fungible research agenda
- Fungible timeline

*In this environment, contract research presents challenges!*
Faculty *typically* are NOT

- Motivated by *personal* gain
- Obedient
- Cost/schedule/performance oriented
- Funded for 12 months

Faculty *typically* are

- Independent!!!!!
- Dedicated/hard working
- Focused on fundamental research (but possibly applied!)
Greene’s Primer on Academia

-- Tenure

- 7 year window
- Based on
  - Teaching
  - Research (peer-reviewed publication!)
  - Service
- Not automatic!

Junior faculty need to think long and hard before getting tied up in contract research!
University Challenges in Contract Research

- Providing a compliant response to an RFP
- That whole “cost/schedule/performance thing”
  - Subcontractor overrun
  - “You want monthly reports, every month?”
- Export control
  - Data
  - Space
  - Training
- Material control
Faculty Buzz Kills

- Lack of predictability
  - Getting and keeping the best Graduate Research Assistants
- Funding/scope mismatch
- Publications restrictions
- Export Controls
Motivators

Solving the Warfighter’s Problems
Hire/Intern Masters
Hire/Intern Undergrads
Senior Design Projects

DoD contractor motivation

Faculty Motivation

Hire/Intern PhDs
Conducting Basic Research
Questions?

LIFE...LIBERTY... AND THE PURSUIT OF ALL WHO THREATEN IT.

NAVY

UT PROSIM: That I may serve

Jon Eschei
Technical Director, Center for Naval Systems
Virginia Polytechnic Institute and State University

540-231-0566
jenesch@vt.edu
Thank you!

Virtual Toss of Chapter President’s Coin to Mr. Jon Greene
Closing Comments:

• Thanks to all of you for joining!
• AFCEA Membership, please consider joining. Go to: https://www.afcea.org/site/Membership
• Reminder to please engage with us for sponsoring, supporting and attending our upcoming events – STEM Fundraising Golf Tournament – OCT 12th.
• Grateful to Jon Greene, our Supporting Sponsors, and the Dedicated Volunteers for making this happen!

Be Safe & Have a Great Afternoon!