

Background Paper
AFCEA/GMU Critical Issues in C4I Symposium
Session 1 -- CTO Round Table

BLUF: This event represents the first-ever session of DoD technology leaders discussing their views on emerging IT-related technologies. The focus is on your role and your perspective about how specific emerging technologies might be impact DoD. The members of the round table are either named CTO’s or have purview on technology-related activities in their organization. This session is scheduled to fill the first morning of the two-day symposium starting on May 21, 2019 at George Mason University (GMU). The event is co-hosted by two non-profit organizations: GMU and the Armed Forces Communications & Electronics Association (AFCEA)

Round Table Members (All Confirmed, but need PAO approval for Mr. Wallace):

- ~~Mr. Gregory Shaffer (USN) – Assistant Chief Engineer Mission Architecture and System Engineering, National Competency Lead ISR/IO, Space and Naval Warfare Systems Command~~
- Mr. Frank Konieczny (USAF) – Chief Technology Officer, Office of Information Dominance and Chief Information Officer
- CW5 William Robinson (USA) -- Chief Technology Officer and Senior Technical Advisor at the Headquarters, Department of the Army, Office of the Chief Information Officer
- Dr. Daniel Corbin (USMC) -- Chief Technology Advisor, Headquarters, U.S. Marine Corps
- Mr. Steve Wallace (DISA) – *Systems Innovation Specialist, Emerging Technologies Directorate, DISA.*
- Dr. Al Mink (Moderator) – Managing Partner, Systems Spirit; AFCEA Director and Member Technology Committee

| EMERGING TECHNOLOGY FOR RT MEMBERS | | |
|--|---------------------------|----------------------------|
| Technology | Primary RT Member* | Secondary RT Member |
| 1. Zero Trust Network | Steve Wallace? | Greg Shaffer |
| 2. DevSecOps & software development | Frank Konieczny | Dan Corbin |
| 3. Advanced Cloud (containers, etc.) | Dan Corbin | Steve Wallace? |
| 4. IoT | Frank Konieczny ALT | Dan Corbin |
| 5. 5G | Frank Konieczny | Will Robinson |
| 6. Artificial Intelligence & Machine Learning | Greg Shaffer | Dan Corbin |
| 7. Quantum computing | Frank Konieczny ALT | |
| Secondary Technology Topics (Time Permitting) | | |
| A. Energy Storage & Battery (Greg?) | | |
| B. Block Chain | | |
| C. IPV6 | | |
| D. | | |
| E. | | |
| F. | | |
| G. | | |

** Request each RT member select 2 topics of strength as primary, and zero-to-n secondary topics. The primary speaker will describe the tech, possible use cases, and their reflections on the tech. Secondary RT members should add additional insights or contrasting views, but preferably not just “pile on” by duplicating previous speaker comments.*

Al Mink will turn to the primary RT member to start the RT discussion for that technology and include secondary members as time permits.

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Round Table Agenda

0900 Part I – The Evolving Role of the CTO in DoD

- Welcome & Introductions [AI Mink]
- Opening Comments [Each RT member, 5-8 minutes]
 - Your Larger Organization – its mission & structure
 - Your role – including relationship to CIO, CISO, and other technology stakeholders
 - Looking back -- Your biggest success – (personal or organizational, current or previous). Relate to tech.
 - Looking ahead -- Your three biggest challenges
- Q&A [Facilitated by moderator across all RT members, 15 minutes]

1000 Break

1030 Part II – Emerging Technologies (ETs)

- Scene setting [AI Mink]
- Emerging Technology Discussion [One ET at a time. facilitated by moderator]
 - Observations on ET and its application in your larger organization [All]
 - Q&A [All]

1200 Lunch – No Host “Working Lunch,”

- Government RT members only in a private breakout room.
- Leverage time and opportunity to address CTO issues
- *Shaffer, Konieczny, Corbin confirmed. Wallace uncertain, Robinson unlikely*

1300-1400 – CTO Industry Perspective

- *Mr. Yuvi Kochar, Founder, Washington Area CTO Round Table. Former CTO Washington Post. Currently Data-centric Digital Transformation Strategist, GameStop.*

Background & Logistics

Event Website: <https://www.afcea.org/event/?q=GMU-Home>

Attendee demographics: For well over a decade, the AFCEA/GMU Critical Issues in C4I Symposium has connected academia, industry and government annually to address important issues in technology and systems research and development. The audience is typically more than 70% government/military featuring decision makers at all levels looking to advance their understanding of the key C4I challenges being faced now and in the future.

Location: George Mason University, Johnson Center. Parking provided to RT members at no cost. Contact Jim Griggs for more information on directions and parking.

Additional Attendance & Attendees: RT Members are welcome to stay beyond the CTO Round Table. RT Members are also encouraged bring staff. No cost for government attendees. Great opportunity for professional development (CEU credit and networking).

Points of Contact:

- *Mr. Jim Griggs, Co-Chair, AFCEA Technology Committee, VP & CTO. jgriggs@afcea.org, (703) 627-4249*
- *Dr. Mark Pullen, Director C4I & Cyber Center, mpullen@c4i.gmu.edu, (202) 409-7053*

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- *Dr. Al Mink*, Moderator, almink@systemsspirit.com, (571) 212-4778