Announcing the new CAE Community Website

The National Security Agency (NSA) and Department of Homeland Security (DHS) have been hard at work on finding a way to have better communication amongst us all, and a mechanism to get your input on the direction and progress of the Centers of Academic Excellence (CAE) program. To get this effort started, Dr. Tony Coulson and his team at California State University San Bernardino (CSUSB) have been enlisted to establish the new CAE Community website.

- The CAE Community, (this means you!) will establish a collaborative and productive group, primarily (but not exclusively) made up of representatives from each institution in the CAE program and provide a forum for discussion and sharing of ideas, resulting in a consolidated input to NSA and DHS on the requirements and direction of the program. Tony will help us get the community collaboration tool started and organized; the group itself will determine the long-term utility and organization of the effort. The first major undertaking will be garnering input on the review of the CAE Knowledge Units (KUs) and designation process.

- In association with the CAE Community, CSUSB will host a website where the Community can collaborate and information can be shared, and will include a calendar of events to keep everyone informed. Members of the Community will be able to post to the site, and are encouraged to provide comment, advertise events, share news and generate discussions. The CAE program office will provide the Community with information on upcoming meetings and events, and other news relative to the CAEs. The CAE Community website will be used to garner input on the KU reviews and provide status of major projects like the KU to NICE Framework mapping effort.

The website will have a publicly accessible page where generic program information can be posted, and will include links to the NSA.gov and IAD.gov websites. There will be a restricted access area for Community members where current discussions, voting on issues, and posting of updates on KU reviews and development – anything that is the business of the Community and not meant for public dissemination.

Each person designated as a CAE POC will be white-listed for an account. Each POC may provide the names of up to nine additional individuals from the institution who will also be white-listed for an account. While other individuals may request accounts, they must demonstrate a relevance to the information being made available to account holders before access is granted. The CAE program office will vet all requests for accounts against the list of designated institutions and advise CSUSB.

CAE Community Website Webinar

Cyberwatch West will host a CAE Community Website Introductory Webinar on February 27th. To register – click here or click on “upcoming” sessions at https://cyberwatchwest.webex.com/.
CAE News – Winter 2015

Save the Date

June 3-4, 2015
7th Annual Southeastern Cyber Security Summit
Von Braun Center, Huntsville, Alabama
Conference Registration: $100 by March 6th; $175 After

- CAE Designation Ceremony and reception will be held June 3, 5:30 - 8:00 pm, Davidson Center at the U.S. Space & Rocket Center
- Suggested lodging: Embassy Suites Huntsville, 800 Monroe Street, Huntsville, AL 35801
- Invited speakers include:
  - ADM Mike Rogers, Director NSA & Commander, US CYBERCOM
  - Dr. Andy Ozment, Assistant Secretary of Cybersecurity and Communications, DHS
  - Dr. Peter Fonash, CTO of Cybersecurity and Communications, DHS
  - Mr. Dan Traynor, VP & CIO Tennessee Valley Authority
- Visit http://secybersummit.org for more information

National Government-Industry-Academia Working Group

At the CAE Community Meeting last November, the CAE Program Office informed the community of a joint effort underway with DHS and NIST to establish a new national-level working group with cross-sector representation that could offer an integrated approach to providing advice to the NSA/DHS National CAE Program. The new NICE Working Group is nearing reality as a sub-element of the Cross-Sector Cyber Security Working Group (CSCWG), and will continue the work of the old Education and Workforce Development Working Group (EWDWG). The Working Group will be chaired by a trio of representatives from Government, Industry and Academia, and will be organized with Sub-committees in two tracks: Education and Workforce Development. One of the subgroups in the Education track will be the collegiate group, and this subgroup will provide advice to the CAE Program Office on KUs and other program issues, in addition to other National-level Collegiate issues. The Collegiate Subgroup will consist of three representatives each from government, industry, and academia. Once the NICE WG has been approved and duly constituted, additional information regarding membership, agendas and monthly meetings will be provided.

Knowledge Unit to NICE Framework Mapping

The mapping analysis and review, executed by the CAE Program Office, is in final review with NSA and DHS subject matter experts. Upon completion, the mapping spreadsheet along with a report will be posted on the CAE Community website for review and comment by the CAE Community. Comments will be taken through April, after which the report will be finalized for review and public release. The report will be available for June events.

The intent is to share upcoming NICE Collegiate WG agenda topics with the CAE Community far enough in advance to give an opportunity to provide opinions and advice before each meeting. This will include work undertaken to review and update the KUs, processes and organization of the CAE program.
As announced last fall, the CAE Program Office will commence a comprehensive review of the CAE Knowledge Units (KUs) this year, including their content and structure. The first three months of the review schedule is provided below; the full year’s schedule will be available on both the CAE Community website and at www.IAD.gov/NIETP. This is an aggressive schedule designed to meet the commitment to complete a review of both core and optional KUs in the next year. Depending on review progression, a schedule will be published for review of the remaining KUs. CAEs will be requested to provide comments via the CAE Community website prior to each scheduled meeting of the Collegiate Subgroup. Progress will be reported in the fall with a plan announced for continual KU review over a two-year period following the first year.Italicized KUs in the chart below are considered CORE. The optional KUs are placed on the annual schedule for review based on most-often mapped to least-often mapped. Should the schedule prove too aggressive, the least-often used KUs will be reviewed the following year.

<table>
<thead>
<tr>
<th>Knowledge Units to be reviewed at the May Collegiate Subgroup meeting; CAE Community may comment through 15 April</th>
<th>Knowledge Units to be reviewed at the June Collegiate Subgroup meeting; CAE Community may comment through 15 May</th>
<th>Knowledge Units to be reviewed at the July Collegiate Subgroup meeting; CAE Community may comment through 15 Jun</th>
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<tbody>
<tr>
<td>Digital Forensics</td>
<td>Algorithms</td>
<td>Advanced Cryptography</td>
</tr>
<tr>
<td>Data Structures</td>
<td>IA Compliance</td>
<td>IA Standards</td>
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<tr>
<td>Advanced Network Tech and Protocols</td>
<td>Operating Systems Theory</td>
<td>Network Forensics</td>
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<td>Database Management Systems</td>
<td>Cybersecurity Planning and Mgmt</td>
<td>Network Security Administration</td>
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<td>Security Risk Analysis</td>
<td>Vulnerability Analysis</td>
<td>Penetration Testing</td>
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<tr>
<td>Algorithms</td>
<td>Fundamental Security Design Principles</td>
<td>Introduction to Cryptography</td>
</tr>
<tr>
<td>Basic Data Analysis</td>
<td>IA Fundamentals</td>
<td>IT Systems Components</td>
</tr>
<tr>
<td>Basic Scripting or Intro Programming</td>
<td>Cyber Threats</td>
<td>Networking Concepts</td>
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</tbody>
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SAVE THE DATE
June 15-17, 2015
19th Annual Colloquium for Information Systems Security Education (CISSE)

JW Marriot Las Vegas Resort and Spa, Las Vegas, Nevada

- CAE Designation Ceremony will be held on the evening of June 15th
- Conference Registration: $525 by April 30th; $625 After
- Lodging: $129 per night
- Featured Speakers:
  - Colin Williams, Saltbox, U.K.
  - Ian Bryant, TSI – Trustworthy Software Initiative, U.K.
  - Additional speakers to be announced
- Visit http://www.cisse.info for more information
We Are Moving!

The NSA/DHS CAE Program Office is moving from the Information Assurance Directorate (IAD) to the Associate Directorate of Education and Training (ADET). The move should be mostly transparent to CAEs. The Program Office will have the same email address (askCAEI@nsa.gov) and primary phone number (410-854-6206) – but it may mean some potential disruption of the office’s ability to respond to your questions in a timely fashion. Work spaces will be physically moving from one building to another. Your patience is requested during this time. Also, please try to use email as the primary communication in February. This re-organization will place us in the College of Cyber with the CAE Cyber Operations team.

Have CAE Questions? Email the CAE Team at askCAEI@nsa.gov!

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2015 CAE PROGRAM CYCLE

28 February
CAE Application Deadline (2014)

1 March – 30 June
Web Application
Blackout Dates – Website closed for submission of CAE Applications for system updates and application reviews. Institutions may access submission as read-only.

31 May
Reviews completed – All submitted applicants will be notified by this date.

3 June
CAE Designation Ceremony – Huntsville, AL

15 June
CAE Designation Ceremony – Las Vegas, NV

1 July
CAE Web Application Re-Opens

15 August
Deadline for CAE Applications for designations awarded at NICE 2015 in Fall. Website does not close.

15 January 2016
CAE Application Deadline (2015)

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Coming Soon:
Information Assurance Symposium (IAS)
29 Jun – 1 Jul 2015
Walter E. Washington Convention Center
Washington, DC

- No cost event
- Registration planned to open 2 March 2015
- CAE staff will be participating in the ‘Building the Nation’s Capacity’ track
- For more information, visit www.iad.gov and click ‘events’ or go to www.2015ias.com

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Introducing CAE Tech Talk

In the spirit of fostering collaboration and information sharing in the CAE community, a new program called CAE Tech Talk is being piloted, led by Bryan Embry (CAE Technical Director). The vision: to create a live, online forum/webinar where members of the CAE community can give technical presentations to the CAE community at large. Capitol Technology University (CTU) will host the technical presentations using their online delivery platform (Adobe Connect). The idea is to create a platform where anyone in the CAE community (professors, students, government employees, etc.) can give a one-hour, live, online presentation on cyber security or a related topic. Questions and answers during the presentation will be conducted live. At the conclusion of the presentation, a recording will be made available to the CAE Community.

Have a cyber-related topic that you would like to learn more about?

Would you like to propose a topic for presentation?

Email...

CAETechTalk@nsa.gov

Goodbye and Farewell!

The CAE Community would like to bid a fond farewell to Mr. Robin “Montana” Williams (DHS) as he embarks on a new adventure. Montana has been a long-time CAE partner and we wish him all the best.

In the interim, feel free to direct any DHS questions to Danielle Santos (danielle.santos@dhs.gov), CAE Program Manager, until Acting Program Lead, Jacqueline Sullivan, assumes this role in March!

NSA is Looking for Cybersecurity MOOCs!

Massive Open Online Courses (MOOCs) have become a resource for many organizations strapped for training funding, but it is always a challenge to trust the quality of a course. NSA’s Associate Directorate of Education and Training (ADET) has a working group looking at MOOCs, and they have asked us to help identify any quality courses that may be useful to NSA personnel. Have a MOOC to nominate? Email us at askcaetiae@nsa.gov.

Need to reach the CAE Program Office quickly? Our phone lines are always open!

Call 410-854-6206
National Security Agency

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Looking for recently designated CAE Institutions?

Need CAE Requirements and Resources?

Want to apply for CAE IA/CD?

Visit the CAE Application Website!

www.iad.gov/NIETP