2015 Centers of Academic Excellence Community Meeting

02 November 2015, San Diego, CA

7:15	**Check-In**		
8:00-8:25	**Welcome, Logistics, and Roadmap Flag Ceremony**	Tony Coulson (CSUSB), Lynne Clark (NSA), Rodney Petersen (NIST), Girl Scouts of San Gorgonio	Ballroom
8:25-8:40	**CAE Community- Evolution and Mission**	Tony Coulson (CAE Community Lead)	Ballroom
8:45-10:35	**NSA/DHS: State of the CAEs and New CAE Designation Ceremony**	Lynne Clark (NSA), Steve LaFountain (NSA), Daniel Stein (DHS), CAE Program Team, Corby Hovis (NSF)	Ballroom
10:35-10:50	**Morning Break**		
10:55-11:55	**CAE Fastpitch Sessions (10 mins each)**	**Plenary**	Ballroom
12:00-1:00	**Working Lunch - CAE Website and Signups**	James Ashley, Site Admin	Ballroom
1:00-1:30	**GenCyber Panel**	Steve LaFountain, Girl Scouts	Ballroom
1:30-1:45	**NSF funded C5 Project**	Vera Zdrakovich, C5 Project PI	Ballroom
145-2:55	**Dismiss to Special Interest Group Sessions (4)**	**See Next Page for Topics and Room Location**	
3:00-3:15	**Afternoon Break**		
3:15-4:50	**Presentations**	**See Next Page Topics and Room Location**	
3:45-4:50	**Government Representative Appointments**	**Registration table has appointment signup sheets**	
5:00-5:45	**Interactive Plenary & SIG's work / Open Mic / Farewell**	**Schools and Academic Attendees Only**	Ballroom
	Dinner on your own		

	Government Representative Appointments (Must reserve in advance, 10 minutes each)		
3:45-4:45	DHS	Daniel Stein (Highschool, internships, infrastructure)	Ballroom
3:45-4:45	NSA	Lynne Clark (NSA CAE CD Program Office)	Ballroom
3:45-4:45	NSA	Steve LaFountain (GenCyber)	Ballroom
3:45-4:45	NSA	Heather Eikenberry (Cyber Ops)	Ballroom
3:45-4:45	NSF	Corby Hovis (Grants)	Ballroom
3:45-4:45	NIST	Rodney Petersen/Bill Newhouse (NICE)	Ballroom

Breakout Rooms

Registration

Main Ballroom

Palm Corridor

| V | IV | III | II | I |

Palm Room

The Director's Room

Island Room

Island Foyer

Paradise Ballroom

Pacific Room

Pacific Foyer

Paradise Foyer

| V | IV | III | II | I |

Royal Room

The Board Room

Royal Corridor

Breakout Rooms

Business Center

Catering/Conference Services Office

Load In

CONFERENCE CENTER
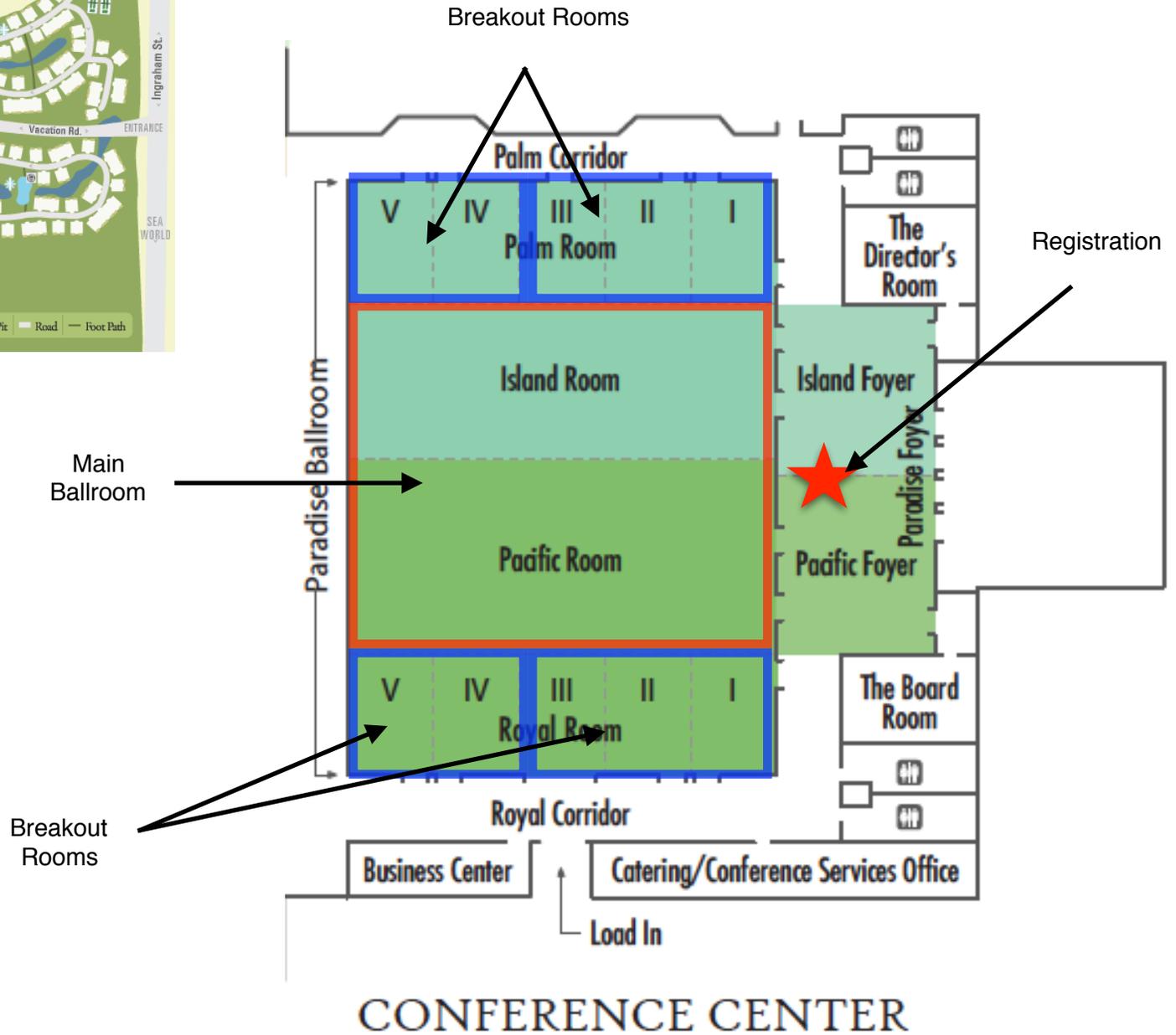
Fastpitch / Special Interest Groups / Presentations

		Fastpitch Talks			
1	10:55-11:05	A Novel Approach to Involve Undergraduate Students in Multidisciplinary IA Research Waleed Farag, Indiana University of Pennsylvania	4	11:25-11:35	Security Injections@Towson: "Awesome" cybersecurity modules, no grading required! Blair Taylor, Towson
2	11:05-11:15	Cybersecurity Capstone Stephen Miller, Eastern New Mexico University-Ruidoso	5	11:35-11:45	"NSA Day of Cyber" Phil Smith, Life Journey
3	11:15-11:25	Community based curriculum sharing Art Conklin, University of Houston	6	11:45-11:55	Who is on the other end of the wire? Mark Hufe, Wilmington University

		Special Interest Groups			
		Royal IV-V	Palm IV-V	Royal I-III	Palm I-III
	1:45-2:55	CAE-CD KU Discussion	CWW CA Sector Nav meeting- Invite only	Prospective CAE	Women in Cyber Security, split session
	Lead	Lori Pfannenstein & Art Conklin	Corrinne Sande	Karen Leuschner & Denisha Jackson, NSA	Rosemary Shumba, Ambareen Siraj
	3:00-3:15	BREAK			

		Presentations			
		Royal IV-V	Palm IV-V	Royal I-III	Palm I-III
	3:15-4:00	NICE Challenge Project- Bring your Laptop	CAE Cyber Ops ———————— GenCyber	Training the Next Generation ———————— Threat Intelligence & Risk	Taking the "Search" Out of Search and Rescue With Cyber Analytics ———————— Students' Digital Hygiene
	Lead	Dr. Vincent Nestler & James Ashley	Heather Eikenberry, Lisa Jones, Steve La Fountain NSA	Erika Olsen, FCC ———————— Paul Wang, University of Maryland University College	John Grimes, UAB ———————— Anna Carlin, Cal Poly Pomona
	4:10-4:50	NICE Challenge Project Continued	Networking Room	Collaborative Content Creation	Successful Internalization Of Cyber Education ———————— Degree Completion Strategies
	Lead	This session is from 3:15-4:00		Casey O'Brien	William Butler, Capitol Technology University ———————— William Butler, Capitol University & Margaret Leary, NVCC

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1:45-2:55	Special Interest Groups		
Lori Pfannenstein, NSA; Art Conklin, Univ Houston	CAE-CD Knowledge Unit Discussion	The CAE-CD Knowledge Units (KUs) are in their first generation and how they advance is dependent upon the CAE-CD community. This session will explore the CAE-CD KUs and potential new KUs. This will be an interactive session to collect information from the CAE Community regarding the CAE-CD KUs. We would like to gather actionable feedback while collaborating with and listening to the CAE community. We will not solve in any issues in the session but would like to gain as much feedback on as many topics as possible. There will be lots of time for thoughtful debate later when further refining the KUs. Please bring your suggestion and ideas to jointly discuss KUs. Your input is invaluable and very important to the CAE-CD community!.	Royal IV-V
Cyber Watch West	Cyber Watch West- Sector Navigator meeting ***Invitation only***		Palm IV-V
Karen Leuschner & Denisha Jackson, NSA	Prospective CAE	This session describes the CAE application process and it's importance to the nation.	Royal I-III
Ambareen Siraj, Tennessee Tech	CAE Community and the National Women in Cybersecurity (WiCyS) Initiative: Collaboration/Engagement Opportunities	The Women in Cybersecurity (WiCyS) Initiative was launched in 2013 with support of a National Science Foundation grant (Award#1303441). The annual conference brings together women (students/faculty/researchers/professionals) in cybersecurity from academia, research and industry for sharing of knowledge/experience, networking and mentoring. Beyond the annual conference, WiCyS is a community of engagement, encouragement and support for women in cybersecurity. The NSF project is managed by Tennessee Tech University and yearly sub-awarded to a CAE institution to serve as a local host to maximize the conference exposure to many across the United States, and to bring new insights for conference organization. This group will discuss various opportunities for CAE institutions to be more involved and engaged with the WiCyS initiative and have a positive impact in recruitment, retention and advancement of women in cybersecurity .	Palm I-III
Rosemary Shumba, UMUC	Women in Cyber Security	Become What [They] See and What [They] Connect To Workshop Report	Palm I-III
3:00-3:15	Presentations		
V. Nestler & James Ashley, Cal State San Bernardino	NICE Challenges (bring laptop)	This session will introduce the NICE Challenges: Our cyber challenge labs emphasize real world skills like problem solving, self-learning, and documentation. These are focused on the NICE tasks and available at no cost.	Royal IV-V
Heather Eikenberry, Lisa Jones, Steve La Fountain NSA	CAE Cyber Ops	The Centers of Academic Excellence (CAE) in Cyber Operations Summer Intern Program (CAE-Cyber Ops Summer Intern Program) is a unique summer internship experience at the National Security Agency's (NSA). Representatives from NSA's College of Cyber, will discuss the internship's requirements, application process, and the summer program contents.	Palm IV-V
Heather Eikenberry, Lisa Jones, Steve La Fountain NSA	GenCyber	The GenCyber program provides summer cybersecurity camp experiences for students and teachers at the K-12 level. The 2015 Pilot of the GenCyber Program was highly successful and has raised national awareness of the program. Members of the GenCyber program will be available to discuss the 2015 program and to provide information on the upcoming 2016 program.	Palm IV-V
Erika Olsen, FCC	Training the next generation	This presentation will explore the trends and evolution of public safety communications and the challenges they face when interfacing with public networks, as well as the skill sets needed to tackle these complex problems. This presentation will also pose ideas and challenge thinking with respect to the development of unique partnerships that can support innovation in this space.	Royal I-III
Paul Wang, University of Maryland University College	Threat Intelligence & Risk	In this presentation, we discuss recent data breaches from both technical and business operation perspectives and propose an approach that calculates threat factors of information systems based on various features in hardware, software, policies and business operations. Threat intelligence and risk mitigation are important for corporations and government agencies. This comprehensive approach can reduce data breaches. It can also deal with privacy concerns in this big data arena. Government agencies and private sectors can reduce risks of cyber intrusions by adopting this innovative threat intelligence and risk mitigation strategy.	Royal I-III
Anna Carlin, Cal Poly Pomona	Students' Digital Hygeine	Students can be the biggest threat to cyber security on college campuses. Cal Poly Pomona faculty and Information Security Office staff created an online Personal Cyber Wellness course to address how students would keep themselves and their digital devices safe. This presentation will cover the need for the course, the themes discussed in the course, multimedia modules created, resources used to reinforce concepts, challenges, and assessment.	Palm I-III
John Grimes, UAB	Taking the "Search" Out of Search and Rescue With Cyber Analytics	Airplane crash lands at SFO in July 2013; ferry boat capsizes of South Korean coastline. What if the first responders could be provided six digit grid real-time location of all potential survivors while enroute to the objective area?	Palm I-III
4:10-4:50	Presentations		
V. Nestler & James Ashley, Cal State San Bernardino	NICE Challenges (bring laptop)- continued	This session will introduce the NICE Challenges: Our cyber challenge labs emphasize real world skills like problem solving, self-learning, and documentation. These are focused on the NICE tasks and available at no cost.	Royal IV-V
Casey O'Brien	Collaborative Content Creation	This presentation will focus on a Collaborative Content Creation and credentialing process that allows for agility - both in the creation and maintenance of the content - as well as an open, peer-reviewed system to validate the content.	Royal I-III
William Butler, Capitol Technology University	Successful Internalization Of Cyber Education	Cyber crime is an international problem requiring a international approach including information sharing, technical assistance and capacity building. Can a US CAE-IA institution successfully assist a non-US school in developing a successful cyber security program? The issues are not just technical in nature but can include cultural, legal, and trust.	Palm I-III
William Butler, Capitol University & Margaret Leary, NOVA	Degree Completion Strategies	There are several strategies that can lead to a 4 year degree for community college graduates. Capitol Technology University (Laurel, MD) and Northern Virginia Community College (Alexandria, VA) have partnered to offer NOVA graduates the opportunity to complete their four year degree with Capitol in their same classrooms at NOVA. This innovative approach took some work but it has been approved for January, 2016.	Palm I-III