

Opening

Monday, June 10, 0830 – 0900 Hrs.

Welcome

Good Morning, and welcome to our 23rd meeting of The Colloquium. As we look over the program you will see that:

1. We are meeting our mission of reaching out to Academia, government and industry with a wonderful set of speakers from all of those areas.
2. We are introducing some new threads (1) *Master Classes* and (2) *Articulation forum*. I look forward to your feedback on these new additions.
3. As always, we are very thankful for our sponsors. Please stop by their tables and get to know them and what they offer in support of us all.

Before we begin, let me introduce fellow founders:

- Bill Murray
- Dr. Corey Schou
- Dr. Ron Dodge

So, welcome. How many of you are returning, having been at previous colloquia?

Now, how many of you are here for the first time?

GREAT. So, those of us who have participated before, we have homework to reach out, meet these new members, and welcome them to our ranks.

Before we move on, I offer a few thoughts.

First, and maybe foremost; we often hear that the students we produce are serving and defending on the front lines of today's global cyber warfare environment. Yes, we prepare them for those front lines, but you – each

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and every one – are really the trusted vanguard. In what you do every day, you are THE critical linchpin in the struggle for cybernetic independence & freedom.

So, today, I will put to you yet another challenge.

We often think about cybersecurity education as a major, a track, even a degree. We have made huge strides in achieving that positioning. AND, we must continue to develop those programs. We now have over 275 NSA/DHS recognized Centers of Academic Excellence. Such a wonderful development from very humble beginnings! AND those programs range from stand-alone degrees to programs embedded across a wide span of disciplines; computer science, engineering, technology, and business, to name a few. However, in building those focused programs we have created isolated islands of expertise on our campuses.

In truth, our jobs have really just begun. NOW WE MUST REACH OUT TO ALL SEGMENTS ON OUR CAMPUSES and seek true integration of cybersecurity into all curricula. Some of you are already doing this. Thank you! Increasing our bandwidth is no longer just a matter of political will. It is a matter of survival; survival requirements embraced – indeed – insisted upon by business and industry, and governments.

Industry and government want cybersecurity savvy built into all of their hires – not just the technical workforce. All of their workers are active every day on all of their networks. This presents our new challenge. We must now reach out to our colleagues across the campus. This will not be easy. Every department, every degree program claims to be filled with “must have” courses with no room for any additions. And, certainly, no room to drop any of those departmental-specific critical curricula. I am sure you have heard those arguments as you have attempted to get faculty program review groups to approve the addition of even one new course into a program.

Cybersecurity educators cannot do this alone. Wake up Business and Government! This is your opportunity to make the biggest difference yet in the quest for truly robust and universal cybersecurity education. Go to campus and let your voices be heard. Employers, our nation indeed the world needs the knowledge of cybersecurity principles and practices to become much more prolific. Imagine the impact you could have in helping or centers reach into the accounting department and sharing your cybersecurity needs to be sure future workers in the banking and finance area are prepared to operate safely and securely on those vulnerable

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networks. Let's relook at the current criteria for recognition and add reaching out across campus as a new requirement. Let's increase the impact we are having.

[Share story of visit to U of Florida](#)

The fact is, that today, Cybersecurity is no longer just a national security matter. Cybersecurity is now a national – indeed an international **survival** priority. Current and emerging cyber threats represent a new, and perhaps a devastating set of weapons of mass destruction, including those crippling cyber-kinetic capabilities. This is especially true when cyber is combined with other asymmetric attack weapons. Our national cyber defense forces are taught about this. Is it time to extend those capabilities into the greater public cyber education domain? This week you will hear a resounding YES! If we begin now to reach out across our campuses, I believe we will effectively increase our cyber defense capabilities exponentially.

During this conference we will hear of the advances being made in Artificial Intelligence and Quantum computing. As we incorporate these new challenges into our studies, what a great opportunity to engage with other departments like physics, math, even psychology. You will hear the speakers calling for this new and vital outreach requirement. As you heard in my recalling a trip to a Florida university, those other programs on campus need you as much as you need them.

Today, we take another great step in the direction of reaching out and seeking partnerships: achieving true collaboration on an international level.

Now on to a highlight in our Program.

UK Chartering Signing

Today, we are celebrating the truly international nature of The Colloquium. We are signing a Colloquium Charter with the United Kingdom.

Signing the charter with me are:

- Dr. Natalie Coull
- Dr. Phil Legg
- Dr. Charles Clarke

Please join me on the podium.

The chapter will be called, CISSE UK.

They already have a web site: <https://cisseuk.org>

THANK YOU SO MUCH FOR JOINING US. We all look forward to some phenomenal collaboration.

Not many know that we have a CISSE chapter in Australia. In the future we will be exploring engaging with other nations and developing a robust international program. On Wednesday at our Board of Director's meeting I will be asking one of our elected Directors to take up this challenge.

AFTER Signing:

I have asked our fellow cybersecurity educators to spend a few moments bringing us up to date on cybersecurity education developments in the UK.

Presentation on developments in cybersecurity education in the UK

Turn over to Monday Moderator:

Dr. Ron Dodge:

It is a privilege to introduce a colleague and friend of many years, Dr. Ron Dodge.

- Board Member, with Founder Status
- Former Faculty at U. S. Military academy, West Point
- Now with Palo Alto Corp.

Ron, as you come up, let us all thank you for your service and your continued commitment to the cybersecurity higher education mission.