

CCC Council Meeting

April 2nd, 2021



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Agenda

11:00 AM ET	Welcome and Updates
11:15 AM ET	Task Force and Working Group Updates
12:00 PM ET	Gurdip Singh, NSF
12:45 PM ET	BREAK
1:45 PM ET	Peter Harsha
2:15 PM ET	In Person / Remote / Hybrid / Satellites
3:00 PM ET	Activity Planning for 2021-2022
3:30 PM ET	BREAK
4:30 PM ET	Wrap Up / Next Steps
5:00 PM ET	Adjourn



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Welcome and Updates



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Task Force and Working Group Updates



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Cybersecurity and Cybertrust

What's Going On

- Decided to focus on the problem of ransomware
- Created a list of outside experts to interview/provide perspectives to the TF
- Interviewed Josephine Wolff (Tufts) and Sasha Romanosky (RAND) about cyberinsurance policies and how risk is measured and priced.
- Initial planning for white paper on election security research

Future Plans

- Requesting next set of interviews: Engin Kirda (Northeastern) and Chester Wisniewski (Sophos)
- Thinking about a workshop in the spring, although depending on conversations with the Security Incentives effort this could turn into either a joint activity or ransomware could become a common scenario carried through the three planned Security Incentives activities



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Cybersecurity and Cybertrust (2)

Findings to date

- Ransomware now exists “as a service”, lowering barrier to entry
- Ransomware shops include customer service, etc, to help victims with payments
- Ransomware demands are growing
- Ransomware often now also threatens to publish data: so-called “double-threat”
- Ransomware perpetrators typically make good once they are paid
- Most entities get their data back, mostly by paying
- Most ransomware ransoms are paid by insurance companies
- Insurance companies typically aren’t doing much to make sure the companies they insure are doing well wrt cybersecurity



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ReDOing Computing

What's Going On

- White paper on National Discovery Cloud
- Planning stages: Workshop on Application Challenges for the Emerging Bazaar of Accelerator Systems (Katie Schuman & Vivek Sarkar)
- Writing stage: Physics & Engineering Issues in Adiabatic/Reversible Classical Computing (Oct '20)

Future Plans

- Workshop on intersection of security and post-Moore
- Post-Moore roadmapping: Interaction/collaboration between CCC and Roadmap (IRDS)



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Responsible Computing

What's Going On

- Collecting names for potential organizers/attendees for the disinformation workshop (*let us know if you know anyone that works in this space and could be interested*).
- Wrote a [workshop summary](#). Please take a look and let us know if you have any suggestions.
- Transition Paper on Tech for Older Adults and Caregivers

Future Plans

- Hold a disinformation workshop around November



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Technology for a Connected Distributed Life

What's Going On

- Initial topic too broad
- Focus on hybrid interactive workshops as an example CDL scenario
- Met with Brent Hecht (Microsoft Research) on “The new future of work”
 - “How can we get the best of both worlds? NOT how can we make one world replace another world?”
- First draft of meta hybrid CCC visioning workshop description
 - started list of potential leads/attendees

Future Plans

- Continue meeting with experts - e.g., telepresence robotics/Access Computing, NSF, others TBD
- Hybrid CCC workshop on hybrid CDL environments in August
 - Select organizing committee who will run the workshop as a social experiment
 - Suggestions welcome



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Foundations Working Group

What's Going On

- Ashish Goel (Stanford) writing a CCC blog about crowdsourced democracy.
- Christos Papadimitriou (Colombia) writing a CCC blog about understanding algorithms for the brain.

Future Plans

- Possibly reach out to Shafi Goldwasser to write about law and algorithms
- Possibly write a blog about "computation in nature" by either Saket Navlaka, Radhika Nagpal, Melanie Moses, or someone that looks at algorithms in ants/bees/flocking birds



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Gurdip Singh, NSF



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Break

We will reconvene at 1:45 PM ET



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Peter Harsha, CRA



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In Person / Remote / Hybrid / Satellites



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Activity Planning for 2021-2022



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DRAFT Planning (from Ann's head, nothing is even set in pencil)

8/21	CRA Board Meeting	1/22	Security Incentives 2 ***	
	Summer Council Meeting			
	Meta Workshop on Hybrid Workshops	2/22	AI / Optimization 2	
9/21	AI / Optimization 1		AAAS	
	Climate 1		CRA Board Meeting	
10/21	Security Incentives 1 ***	3/22	Spring Council Meeting	
	Emerging Bazaar of Accelerator Systems		Climate 2	
11/21	Mis / Dis Workshop	4/22	Security Incentives 3 ***	
12/21	Fall Council Meeting	5/22		
	CIFellows Workshop			
	NITRD 30th	6/22		

CCC Activity
CCC Task Force Generated
Community Generated
Agency Generated

Break

We will reconvene at 4:00 PM ET
End at 4:30 PM ET



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Wrap Up and Next Steps



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