Agenda

Day 1, May 30	**Wednesday, Today's Topic: IT and Communications**	**Paul Allen Building**
Time		Room No.
8:30	Registration Table (outside CISX Auditorium)	CISX Auditorium
	Pick up Tee Shirt, Material, meal tickets, Hoover Tower ticket and agenda packet	CISX Auditorium
8:30-9:00	Breakfast available (outside CISX Auditorium)	CISX Auditorium
9:00-9:10	Tsachy Weissman and Andrea Goldsmith (10 mins): Welcome	CISX Auditorium
9:10-9:30	Wojciech Szpankowski: *CSOI Intro*	CISX Auditorium
9:30-11:15	Sergio Verdu: "(Re)reading Shannon"	CISX Auditorium
11:15-11:30	**Break**	CISX Auditorium
11:30-12:30	David Tse: "Information Theory: From Communication to DNA Sequencing"	CISX Auditorium
12:30-1:45	Optional Round-Table Paper Discussion	CISX Auditorium
Lunch	**Bytes Café (use lunch ticket in packet Ticket is $10.00/lunch/drink)**	Bytes Café - Lobby Packard Bldg
1:45-3:15	Andrea Goldsmith: "Backing off from infinity: fundamental communication limits in non-asymptotic regimes"	CISX Auditorium
3:15-3:30	**Break**	CISX Auditorium
3:30-4:30	Madhu Sudan: "Reliable communication amid uncertainty"	CISX Auditorium
4:30-5:30	Neta Zuckerman "Biology for Engineers: Part I" - with donuts	
Dinner	Round Table Pizza University Avenue - Take shuttle to PA for pizza dinner.	Round Table Pizza
Day 2, May 31	**Thursday, Todays Topic: Biology and Neuroscience**	**Paul Allen Building**
8:30-9:00	Breakfast available (outside CISX Auditorium)	CISX Auditorium
9:00-10:45	Anath Grama (2 hours): *"Introduction to Network Biology: Concepts. Models, and Methods"*	CISX Auditorium
10:45-11:00	**Break**	CISX Auditorium
11:00-12:00	Gill Bejerano (1 hour): *"Information encoding in the human genome: a modern perspective and some challenges"*	CISX Auditorium
12:00-1:00	Lunch with EAC	CISX Auditorium
Lunch	**Box lunches in CISX patio**	Tressider Sudent Union
1:00-2:00	Neta Zuckerman "Biology for Engineers: Part II" with dessert	
2:00-3:00	Todd Coleman: "Interactive Information Theory and Its Use in Brain-Machine Interfaces"	CISX Auditorium
3:00-4:00	Olgica Milekovic: "*Compressive sensing and low-rank completion in bioinformatics*"	CISX Auditorium
4:00-5:00	Golan Yona: *Hands-on Biozon project*	CISX Auditorium
Dinner	Buca de Beppo - Take shuttle to Train Station	Bucco de Beppo
Day 3, June 1	**Friday, Today's topic: Quantum Shannon Theory and Modern Estimation**	**Paul Allen Building**
8:30-9:00	Breakfast available (outside CISX Auditorium)	CISX Auditorium
9:10-10:45	Peter Shor: "Quantum Shannon Theory"	CISX Auditorium
10:45-11:00	**Break**	CISX Auditorium
11:00-1:00	Poster Session (11-11:45 Poster 1 minute talks; 11:45-1 Posters)	TBD
Lunch	**Box lunch as part of poster session**	TBD
1:00-2:45	Tsachy Weissman: "Modern Estimation via Classical Data Compression and Communication"	CISX Auditorium
2:45-3:00	**Break**	
3:00-4:00	Group activity: Grand challenge questions on Science of Information.	CISX Auditorium