	Day 1 (March 13th)
07:45	**Opening Remarks**
	Indirect bio-Inspiration
08:00	**Keynote: Sheri Markose -The Digital Origins of Intelligence: How we became smart and protean**
09:00	**break**
	Robotics and Artificial Intelligence
09:15	**Field coverage for weed mapping toward experiments with a UAV swarm** (Dario Albani, Tiziano Manoni, Arikhan Arik, Daniele Nardi, Vito Trianni)
09:45	**Evolutionary Multi-objective Optimization for Evolving Soft Robots in Different Environments** (Jun Ogawa)
10:15	**Self-Assembly from a Single-Molecule Perspective** (Kevin Richard Pilkiewicz, Pratip Rana, Michael Mayo, Preetam Ghosh)
	Bio-inspired Approaches to Cyber Systems
10:45	*break*
11:00	**Bio-inspired Approach To Thwart Against Insider Threats: An Access Control Policy Regulation Framework** (Usman Rauf, Mohamed Shehab, Nafees Qamar, Sheema Sameen)
11:30	**Cyber Regulatory Networks: Towards A Bio-inspired Auto-resilient Framework for Cyber-Defense** (Usman Rauf, Mujahid Mohsin, Wojciech Mazurczyk)
12:00	**Bio-inspired System Identification Attacks in Noisy Networked Control Systems** (Alan Oliveira de Sa, António Casimiro, Raphael C. S. Machado, Luiz F. R. da C. Carmo)
12:30	**Lunch**
	foundational bio-inspiration
	Bio-Inspired and Brain-inspired Computing
01:30	**Classification of Permutation Distance Metrics for Fitness Landscape Analysis** (Vincent A Cicirello)
02:00	**Blinded by Biology: Bio-Inspired Tech-Ontologies in Cognitive Brain Sciences** (Paola Hernández-Chávez)
02:30	**A Distribution Control of Weight Vector Set for Multi-objective Evolutionary Algorithms** (Tomoaki Takagi, Keiki Takadama, Hiroyuki Sato)
03:00	**break**
03:30	**Keynote: Brian Skryms - From Democritus to Signaling Networks**
04:30	**break**
06:00	**Galois Music Event : "Around the B-E-ES" at Wyndham Pittsburgh University Center Reception and Dinner at Wyndham Pittsburgh University Center**

	Day 2 (March 14th)
	Direct Bio-Inspiration
08:00	**Keynote: Michael Lotze - Know Yourself: Evaluating the Full Adaptome in TIL, PBMC, and Lymph Nodes in Solid Tumor Patients**
09:00	**break**
	Nano Medicine and Medical Informatics
09:15	**Medical Diagnostics Based on Encrypted Medical Data** (Kelsey Horan, Delaram Kahrobaei, Kayvan Najarian, Jonathan Gryak, Vladimir Shpilrain, Reza Soroushmehr, Alexey Gribov)

09:45	**Membrane computing Aggregation (MCA): An upgraded Framework for Transition P-Systems** (Alberto Arteta, Luis Fernando Mingo, Nuria Gomez, Yanjun Zhao)
10:15	**Cheating the Beta Cells To Delay the Beginning of Type-2 Diabetes Through Artificial Segregation of Insulin** (Huber Nieto-Chaupis)
10:45	**break**
	Artificial Chemsitry and Biology
11:15	**A Scalable Parallel Framework for Multicellular Communication in Bacterial Quorum Sensing** (Satyaki Roy, Mohammad Aminul Islam, Dipak Barua, Sajal Das)
11:45	**Physics-Based Nanomedicine to Alleviate Anomalous Events in the Human Kidney** (Huber Nieto-Chaupis)
12:15	**Space partitioning and maze solving by bacteria** (Ayyappasamy Sudalaiyadum Perumal, Monalisha Nayak, Viola Tokárová, Ondřej Kašpar, Dan V. Nicolau)
12:45	**Lunch**
01:45	**Human Machine Teaming** (Ryan D. McKendrick)
	The Evolution of Vigilance (William Helton) *Human Traits Embedded in Labels for Supervised Learners* (Ryan McKendrick, Brian Falcone, Amanda Harwood, Bradley Feest)
02:30	**Ethics in AI applications in Industry and Startups** (Thomson Nguyen)
03:15	**break**
03:30	*Inherent Moral Hazards in Acquisition: Improving Contractor Cooperation* (William E. Novak)
04:30	**RE-ENGINEERING PHILOSOPHY OF NATURE, MULTIPLE REALISATION AND NATURAL KINDS** (Paola Hernández-Chávez)
	What is "biological" about biologically-inspired computational models in cognitive science?: Implications for the multiple realisation debate (Mahi C. Hardalupas) *Fundamental Design Principles in Engineering and in the Architecture of Nature* (William C. Wimsatt)
05:30	**Nature and Games and Closing Panel, celebrating Bud Mishra's 60th birthday (Steven E Massey)**