**The George Washington University**

***University Seminar on Systems and Cybernetics***

**Thursday, March 28, 2019, 10 a.m. to noon**

**Funger Hall 520**

**2201 G Street NW**

**Frontiers of Cybernetics: The Second American Revolution of Mind 1786-1791**

Lowell Christy

HOW DID THE FOUNDING AMERICAN THINKERS THINK? How was the American Experiment structured? What were the supply chains of ideas that made the experiment successful? The genius of America’s founding provides concrete thinking tools. Does the way they thought provide the basis for re-thinking America today and its future? Do changes in culture and society require revolutions in theory and praxis?

THERE WERE TWO AMERICAN REVOLUTIONS. First American (Half) Revolution was a physical war of Independence (1766-1783) Military thinking and independence differs from governance. Second American (Full) Revolution was a war of ideas forging interdependence (1786- 1791) – Creating Interrelated feedback processes for the Constitution, Frame of Government & Bill of Rights. Design of the American Experiment and it’s hypotheses demonstrates how social system change requires new thinking tools unrecognized by models of science and the confused state of systems disciplines today. Full Revolutions require transformation of the symbolic/cultural system.

Ontological Foundations of American Exceptionalism. American exceptionalism is based not on what the founding thinkers thought but the way they thought. Natural philosophy assumptions and hypotheses used in design of the American Experiment were based on social interactions structured as circuits. This idea formed an *information and communication/systems thinking* revolution deeper and more profound than today’s state of cybernetics and systems disciplines. The Founding Thinkers lived and designed in the more advanced period of an Age of Communication answering questions of Natural Intelligence (NI) rather than an Age of Information pursuing Artificial intelligence (AI). Today Cybernetic technologies and systems thinking present an Unfinished Revolution. Technologies only amplify our assumptions, biases and current practices. America cannot evolve. American genius 250 years ago provides models for reviving the American Experiment with Truth.

**Lowell F. Christy Jr.,**Ph.D. Cultural Strategies Institute, Maryland, is a Natural Philosopher and Cultural Anthropologist using tools of Cybernetics and Systems thinking to design social change experimentsof field research on how to change large cultural/social systems. Christy has worked with the Stanford Research Institute (Director, Technology and Innovation Center) Global technology transfer between cultures; strategic futures design, the MacArthur Foundation experiment with whole Illinois Congressional delegation changing the political conversation to increase the state's global competitiveness; Health House (Durham, NC) demonstration of the future of medicine and primary care; Consortium (NIH/Walter Reed) for Revolutionary STEM Education for disadvantaged and impoverished in Prince George’s County, MD; Founding of K-12 Quaker School in Maryland creating experiments in education for conflict resolution including high school PEACE AWARDS /Zones of Peace, and “Mahakkat Attafkir” a ten-year project to transform Middle Eastern Education by bringing models of education from Islam’s Golden Age back to Jordan, Every middle school student in Jordan is trained in these techniques. Five years primary research and writing on How America’s Founding Thinkers thought.  What were their antidotes to POWER? What did they predict would be the outcome of the central HYPOTHESIS of our Experiment? How did they distinguish between vicious and virtuous cycles? What was the “right” order of America’s culture’s “languaging” and its symbolic system?  What ideas were cast off from Old Europe and Western Civilization?  If science can transform “the Physical Estate of Man” (Francis Bacon) what are the appropriate methods for revolutions of the human “Social Estate?”