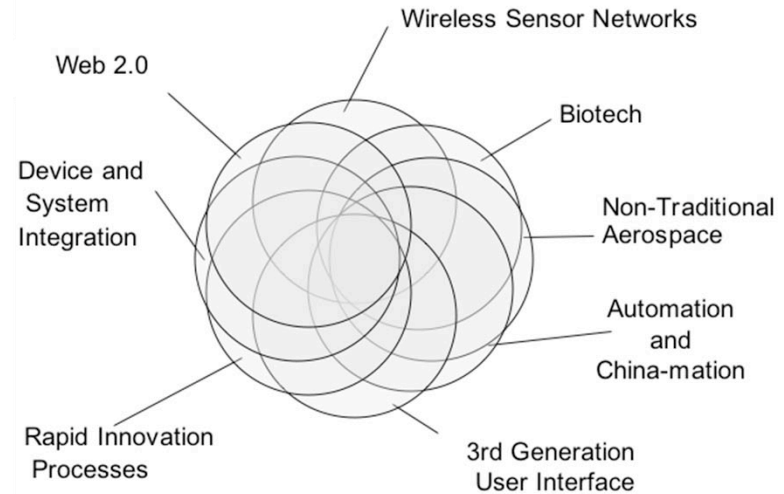
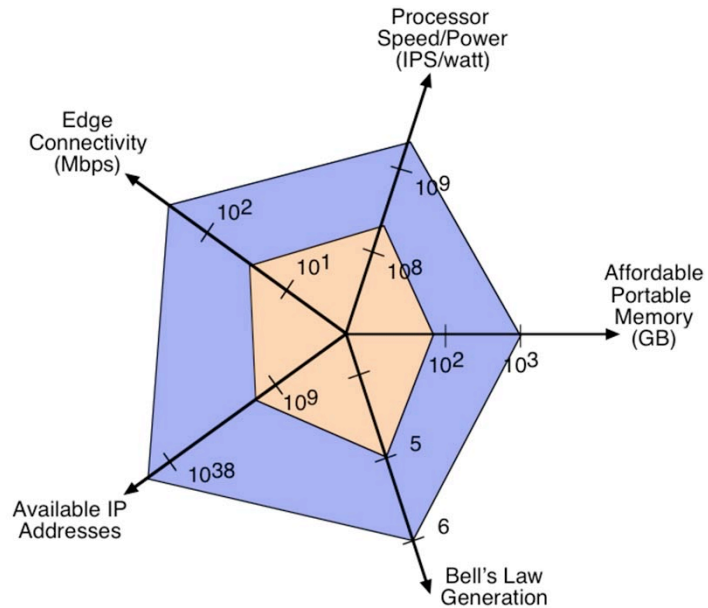


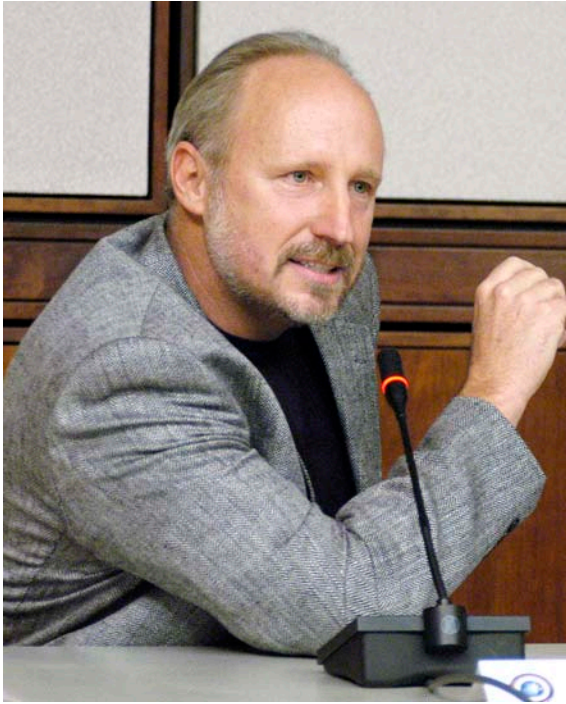
# Web N.0: The Next Revolution in Information Systems Is Upon Us



**Joel C. Sercel**

The California Institute of Technology, Pasadena, CA

Sercel will describe the results of a recent study of our society's technology needs in the coming decades and will outline new technological directions the aerospace community must move in to remain vibrant and relevant in the 21st century. Analysis shows that eight specific overlapping technology trends are uniting in the free market to form an entirely new technological paradigm. This new paradigm is the much ballyhooed Web N, but it is not what the prognosticators think is Web N. Each of the 8 emerging trends will be described and shown to enable truly transformational systems and increase productivity of aerospace engineers in this surprising presentation.



Dr. Joel Sercel has 24 years experience developing and utilizing advanced technology and process to increase cost effectiveness of aerospace and advanced technology ventures. He has been an analyst, a technologist, a program manager, a project manager, technological innovator, software developer, systems engineer, and entrepreneur. Sercel's current work is an eclectic mixture interesting jobs including that of Technical Director of the Caltech Industrial Relations Center's Systems Engineering Program and Senior Advisor to the Commander of the Air Force Research Laboratory through the AFRL's Space Vehicles Directorate.

Dr. Sercel has worked with the Advanced Technology Institute, Alliance Space Systems, the government of Singapore, Boeing, DARPA, ITT Gilfillan, the Office of the Secretary of Defense, NASA, Northrop Grumman, Raytheon Systems, Space Systems Loral, TRW, the United States Air Force, Northrop Grumman Space Technology, United Technologies, the NRO and the DNI. He has delivered over 100 invited lectures to Fortune 500 companies and routinely serves on technical and managerial review boards for space mission projects and advanced technology programs.

Dr. Sercel received his PhD and master's degrees in Mechanical Engineering from the California Institute of Technology and earned (just barely some would say) his degree in Engineering Physics from the University of Arizona. Dr. Sercel is a certified consultant to the Department of Defense.