



**Keynote Address--**

**"The Chronicles of the Origins and Future of Surgical Robotics:  
Surgeons Have Nothing to Fear"**

**Richard M. Satava, MD, FACS**

Professor of Surgery, University of Washington Medical Center, Seattle, Washington, USA



Richard Satava, MD FACS, is Professor of Surgery at the University of Washington Medical Center, Program Manager of Advanced Biomedical Technology at the Defense Advanced Research Projects Agency (DARPA), and Special Assistant in Advanced Surgical Technologies at the US Army Medical Research and Materiel Command in Ft. Detrick, MD.

Prior positions include Professor of Surgery at Yale University and a military appointment as Professor of Surgery (USUHS) in the Army Medical Corps assigned to General Surgery at Walter Reed Army Medical Center.

His undergraduate training was at Johns Hopkins University, medical school at Hahnemann University of Philadelphia, internship at the Cleveland Clinic, surgical residency at the Mayo Clinic, and a fellowship with a Master of Surgical Research at Mayo Clinic.

He has served on the White House Office of Science and Technology Policy (OSTP) Committee on Health, Food and Safety. He is currently a member of the Emerging Technologies and Resident Education, and Informatics committees of the American College of Surgeons (ACS), is past president of the Society of American Gastrointestinal Endoscopic Surgeons (SAGES), past president of the Society of Laparoendoscopic Surgeons (SLS), and is on the Board of Governors of the National Board of Medical Examiners (NBME) as well as on a number of surgical societies. He is on the editorial board of numerous surgical and scientific journals, and active in numerous surgical and engineering societies.

He has been continuously active in surgical education and surgical research, with more than 200 publications and book chapters in diverse areas of advanced surgical technology, including Surgery in the Space Environment, Video and 3-D imaging, Telepresence Surgery, Virtual Reality Surgical Simulation, and Objective Assessment of Surgical Competence and Training.

During his 23 years of military surgery he has been an active flight surgeon, an Army astronaut candidate, MASH surgeon for the Grenada Invasion, and a hospital commander during Desert Storm, all the while continuing clinical surgical practice. While striving to practice the complete discipline of surgery, he is aggressively pursuing the leading edge of advanced technologies to formulate the architecture for the next generation of Medicine.