



## **Biography for Dixie B. Baker, Ph.D.**

Dr. Dixie B. Baker is a Senior Vice President and Technical Fellow at Science Applications International Corporation (SAIC), where she serves as the Chief Technology Officer (CTO) for the health and life sciences business. Dr. Baker is an internationally recognized leader in information assurance, critical systems architecture, and health information technology. She has published in a number of technology and health-related areas, including high-assurance architecture, information protection, electronic medical records, and Internet safety.

Dr. Baker serves as SAIC's principal visionary and spokesperson on health-related science and technology issues. She assesses technology needs, recommends internal research and development (IR&D) investments, develops partnerships and strategic alliances, and represents SAIC in national and international forums. In addition, Dr. Baker serves as a senior consultant on projects of strategic importance to the health business. Prior to joining SAIC in 1995, Dr. Baker was with The Aerospace Corporation, where she was founder and director of the Trusted Computer Systems Department

Dr. Baker has performed research and engineering in high-assurance architecture and information protection for over two decades and for the past 13 years has applied her expertise primarily to the health and life sciences. She was the Principal Investigator for the Patient Centered Access to Secure Systems Online (PCASSO) project, a National Library of Medicine sponsored research project that is widely regarded as ground-breaking in providing patients safe and secure Web access to their complete medical records. She has provided testimony to the National Committee on Vital and Health Statistics (NCVHS) as input to the development of the Health Insurance Portability and Accountability Act (HIPAA) security standards, and as guidance toward technology solutions for protecting the confidentiality of health records released to third parties. She is a Fellow of the Health Information Management and Systems Society (HIMSS) and currently Chairs the HIMSS Privacy and Security Advocacy Task Force, which provides expert advice and consulting services in support of HIMSS advocacy and public policy efforts.

Dr. Baker has published and lectured extensively in a number of technology and health-related areas, including information protection, high-assurance architecture, electronic medical records security, and Internet safety. In 2001, she was awarded the John P. McGovern Lectureship in Information and Communications, presented by the Medical Library Association. In September 2004, at the invitation of the Ministry of Health of the Peoples Republic of China, she presented a keynote address and paper at the IDEAS04DH Workshop on Medical Information Systems, held in Beijing. In December 2006, she was recognized as "Distinguished Practitioner" at the Annual Computer Security Applications Conference.

Dr. Baker holds a Ph.D. in Education Research Methodologies and an M.S. in Computer Science from the University of Southern California, as well as M.S. and B.S. degrees from Florida State University and The Ohio State University respectively.