

Hsinchun Chen, Ph.D. (Biosketch)

Dr. Hsinchun Chen is University of Arizona Regents' Professor and Thomas R. Brown Chair in Management and Technology in the Management Information Systems (MIS) Department at the Eller College of Management. He is one of the leading scientists in security and health informatics. He joined the NSF as Program Director of the Smart and Connected Health Program in September 2014.

Dr. Chen received the B.S. degree from the National Chiao-Tung University in Taiwan, the MBA degree from SUNY Buffalo, and the Ph.D. degree in Information Systems from the New York University. He is director of the Artificial Intelligence Lab and has served as a faculty of the UA MIS department (ranked #3 in MIS) since 1989. He had served as a Scientific Counselor/Advisor of the National Library of Medicine (USA), Academia Sinica (Taiwan), and National Library of China (China). Dr. Chen is a Fellow of IEEE and AAAS. He received the IEEE Computer Society 2006 Technical Achievement Award, the 2008 INFORMS Design Science Award, the MIS Quarterly 2010 Best Paper Award, the IEEE 2011 Research Achievement and Leadership Award in Intelligence and Security Informatics, and UA 2013 Technology Innovation Award. He is author/editor of 20 books, 25 book chapters, 280 SCI journal articles, and 150 refereed conference articles covering digital library, data/text/web mining, business analytics, security informatics, and health informatics. His research books include: *Dark Web* (2012); *Infectious Disease Informatics* (2010); *Intelligence and Security Informatics* (2006); and *Medical Informatics* (2005), all published by Springer. His overall h-index in 2014 is 70 (17,000 citations for 800 papers according to Google Scholar), which is ranked in the top 10 for information retrieval researchers in computer science and among the highest in MIS. He is Editor in Chief (EIC) emeritus of the *ACM Transactions on Management Information Systems (ACM TMIS)* and EIC of Springer *Security Informatics (SI)* Journal. He has been an advisor for major NSF, DOJ, NLM, DOD, DHS, and other international research programs in digital library, digital government, medical informatics, and national security research. Dr. Chen founded Artificial Intelligence Lab, which has received more than \$40M in research funding from NSF, NIH, NLM, DOD, DOJ, CIA, DHS, and other agencies (90 grants, 40 from NSF). He is the founding chair of International Conferences of Asian Digital Libraries (ICADL) and IEEE International Conferences on Intelligence and Security Informatics (IEEE ISI), two premiere meetings in digital library and security informatics.

Dr. Chen's COPLINK system, which has been quoted as a national model for public safety information sharing and analysis, has been adopted in more than 3500 law enforcement and intelligence agencies. The COPLINK research had been featured in the *New York Times*, *Newsweek*, *Los Angeles Times*, *Washington Post*, *Boston Globe*, and *ABC News*, among others. COPLINK research has since been expanded to border protection (BorderSafe), infectious disease informatics (BioPortal), and terrorism informatics research (Dark Web), funded by NSF, DOD, CIA, NIH, CDC, and DHS. Dr. Chen received additional recent NSF Secure and Trustworthy Cyberspace (SaTC) program and Data Infrastructure Building Blocks (DIBBs) funding (\$8M) for his Hacker Web research and AZSecure SFS Fellowship program. Dr. Chen is also a successful entrepreneur. He is the founder of the Knowledge Computing Corporation (KCC), a university spin-off IT company and a market leader in law enforcement and intelligence information sharing and data mining. KCC merged i2, the industry leader in intelligence analytics, in 2009. The combined i2/KCC company was acquired by IBM in 2011 for \$500M. Dr. Chen founded Caduceus Intelligence Corporation, another UA spin-off company, in 2010. Caduceus is developing health big data analytics systems for global clinical decision support and patient empowerment for chronic diseases. Its first product named DiabeticLink provides diabetes patient intelligence and services in US, Taiwan, China, and Denmark. Dr. Chen has served as Distinguished/Honorary Professor of several major universities in Asia. He was named the Distinguished University Chair Professor of the National Taiwan University in 2010 and was elected as China National 1000-Elite Chair Professor with the Tsinghua University in 2013.