

# Keynote Speaker

## *Dr. Arturo Concepcion*



Arturo I. Concepcion finished his M.S. Computer Science in 1981 at Washington State University and his Ph.D. in Computer Science in 1984 at Wayne State University. From 1985 to 1990, he has held faculty positions at Michigan State University and De La Salle University, Philippines. He was a senior software engineer at Software Brewers Inc., Philippines, where he led a team of researchers in replacing a user's manual of a product with an automated instruction & guidance system using AI in 1989. He has been a faculty member at CSUSB since 1990 and is currently a Professor of Computer Science. He served as Chair of the Department of Computer Science from 2000 – 2006. During his term, he was involved in the development of several degree programs at CSUSB: the B.A. Computer Systems, the B.S. Computer Engineering, and the B.S. Bioinformatics. He was also involved in the first ABET accreditation of the B.S. Computer Science in 2001 and the development of the M.S. Computer Science in 1994. He is involved in the selection of summer student interns at the Center for BioImage Informatics, U.C. Santa Barbara, since 2004. He currently leads a team of student interns at the Information Technology Services (ITS) division developing and maintaining mobile apps for use at CSUSB and external companies/entities. His research interests are in software engineering, mobile applications, the applications of expert systems in video games, and bioinformatics. He has published over 50 conference and journal papers. He holds a patent for a software process management called ReMoTe (Recursively estimating Multi-threaded observation Technology enterprise). He is a member of the Academic Computing & Media, IEEE Computer Society, the Sigma Xi, the Phi Beta Delta, and the Asian Faculty, Staff, and Student Association.

**Title of Presentation:** Mobile Application Research & Development at CSUSB

**Abstract:** Arturo Concepcion will give a brief overview of the mobile app R&D at CSUSB. This includes the four mobile apps published last year and the five mobile apps published this year. Dr. Concepcion will describe the R&D process we used using my software engineering class (CSE 455) and then continuing the process through the faculty/staff/student team. In this presentation we will describe two current mobile apps currently being developed: Red Folder and Arrow Heart. The former is a mobile app requested by the CSU Chancellor's Office while the latter is requested by the Arrowhead Credit Union, San Bernardino. These two mobile apps are two of the eleven mobile app products that were prototyped in CSE 455 this Winter 2014. Red Folder will be presented by Alan Perez, Nikhil Dasari, and Mary Pagan. ArrowHeart will be presented by Darnell Shumpert and Mary Pagan. The R&D process was described in the paper "A Faculty/Staff/Student Team for Collaboration in Developing Mobile Applications in the Software Engineering Course," 6th International Conference on Computer Supported Education, Apr 2014. We are also currently doing R&D on two mobile apps that can be commercialized if we are successful.