

**IEEE Foothill Section  
Computer Society Chapter Meeting**

**Thursday, February 23, 2012**

**School of Information Systems and Technology  
Claremont Graduate University**

**Academic Computing Building (ACB) - Room 214 (Map)**

<http://www.cgu.edu/pages/6705.asp>

**130 E. 9th St., Claremont, CA 91711**

**Parking available around the building**

7:00 PM – 7:45 PM Networking - Light meal and refreshments provided  
7:15 PM – 7:30 PM Introduction to CGU SISAT Programs and Projects  
7:30 PM – 7:45 PM Additional Announcements and Presenting Speaker/Lecturer  
7:45 PM – 8:45 PM Presentation/Lecture  
8:45 PM – 9:00 PM Questions and Answers

**Topic: Intelligent Music Software**

**Speaker: Dr. Robert M. Keller  
Harvey Mudd College Computer Science Professor &  
Claremont Graduate University SISAT Faculty**

Dr. Robert M. Keller will survey the expanding space of music software, motivating the uses of such software and giving particular attention to cases having attributes that could be called "intelligent". After demonstrating a few examples, he will describe work conducted at Harvey Mudd College on the Intelligent Music Software project, which includes Impro-Visor, an open-source project designed to help jazz musicians improve their improvisation skills. Dr. Keller will include a demonstration of how a computer can learn grammars capable of generating jazz melodies, as well as other nuances.

*All Students Are Welcome to Attend  
Event Sponsored by CGU SISAT & IEEE Foothill Section*

**RSVP by e-mailing your request to [c.vasquez-carrera@computer.org](mailto:c.vasquez-carrera@computer.org)  
no later than February 15<sup>th</sup>**

**Dr. Robert M. Keller  
Claremont Graduate University Faculty  
Harvey Mudd College Computer Science Professor**

Dr. Robert M. Keller has been a professor of computer science at Harvey Mudd College since 1991. For thirteen of those years, he also served as Director of the Computer Science Clinic, and he also served as Chair of the Department for ten years. He previously held faculty positions at Princeton University, The University of Utah, and the University of California, Davis, where he was Chair of the Division of Computer Science and the Graduate Group in Computer Science. He took time away from academia for three years as Vice-President R&D, of Quintus Computer Systems. His interests are in music software, jazz improvisation, neural networks, parallel computing, logic, and programming languages.

For more info please contact: **César A. Vásquez-Carrera**  
*IEEE Foothill Section Computer Society Chapter Chair 2011 & 2012* [www.foothill.ieee-bv.org](http://www.foothill.ieee-bv.org)

*IEEE Los Angeles Council Secretary 2012* [www.ieee-lac.org](http://www.ieee-lac.org)

Phone: +1-424-261-2282 E-mail: [c.vasquez-carrera@ieee.org](mailto:c.vasquez-carrera@ieee.org) or [c.vasquez-carrera@computer.org](mailto:c.vasquez-carrera@computer.org)