

Mathematical Sciences Research Institute



**MEDIA ADVISORY**

**February 9, 2015**

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**Join Stanford University's Ms. Madeline Huberth and Dr. Ge Wang  
For "Making Music Socially: A Story of People  
and Technology in the 21<sup>st</sup> Century"  
7 p.m., Wed., Feb. 11 at Berkeley City College Auditorium**

**WHAT:** "Making Music Socially: A Story of People and Technology in the 21<sup>st</sup> Century" will be presented by **Dr. Ge Wang and Ms. Madeline Huberth**. Using case studies—ranging from Peruvian flute players to laptop orchestra (with live demonstrations and mini-performances) and music-making on mobile devices—Dr. Wang and Ms. Huberth will discuss recent developments in thinking about and creating music socially. Both design musical instruments from computers, make music with the instruments, and devise experiments from the music to learn about people and the brain. They also direct the Stanford Laptop Orchestra (SLOrk).

Music is rooted in its role as a social phenomenon, but evolution of the "social" nature of music continues. Over the past 100 years, development of the radio, recording, the computer, the Internet, and mobile devices, have made music a ubiquitous part of our everyday experience, but also have shaped it into a passive and easily consumable commodity. Even so, practices in participatory music-making exist on a more traditional, cultural level; they use new technologies that highlight how music as a social endeavor continues to serve deeply meaningful purposes.

This talk is part of the "Not on the Test: The Pleasures and Uses of Mathematics" series of four public lectures in 2014–15, and it is jointly presented by the Mathematical Sciences Research Institute (MSRI) and Berkeley City College (BCC). The series is made possible with funding from the Simons Foundation.

**WHO:** **Ms. Madeline Huberth** is a doctoral candidate at Stanford University's Center for Computer Research in Music and Acoustics (CCRMA). Her research investigates musically-induced emotions and neural responses to musical sounds, and more broadly the cognitive/emotional elements associated with music performance and listening. She earned a master's degree as a Gates Scholar at the Center for Music and Science at the University of Cambridge, and a bachelor of science degree in Interdisciplinary Physics and bachelor's of music in Cello Performance from University of Michigan.

**Dr. Ge Wang** is an assistant professor at CCRMA; he researches audio programming languages, laptop orchestra, and expressive social music for mobile devices. He is the author of the ChucK music programming language, and as co-founder of mobile music startup Smule, he designed the iPhone's Ocarina and Magic Piano. He holds a Ph.D. in Computer Science from Princeton University and B.S. in Computer Science from Duke University.

**WHEN:** 7:00–8:15 P.M., WED., FEB. 11, 2015

**WHERE:** Berkeley City College's Auditorium at 2050 Center Street (between Shattuck Ave. & Milvia St., one half block west of the Downtown Berkeley BART station on Shattuck Ave; for a map, see <http://goo.gl/0vJRT>) in Berkeley. For information, the public can call MSRI at 510-642-0143.

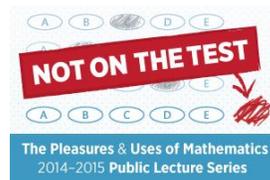
**WEBPAGE:** See the lecture series at [http://www.msri.org/general\\_events/20903](http://www.msri.org/general_events/20903)

**HOW:** Free. Reserve tickets at [https://www.msri.org/general\\_events/20844](https://www.msri.org/general_events/20844) *A ticket is required for admission to the auditorium.*

**PHOTO:** Photo of Dr. Wang and Ms. Culberth available by request at [annepf@msri.org](mailto:annepf@msri.org).

**SPONSOR:** The generous support of the **Simons Foundation** ([www.simonsfoundation.org](http://www.simonsfoundation.org)) has made possible the "Not on the Test" MSRI-BCC lecture series.

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**About MSRI:** The **Mathematical Sciences Research Institute (MSRI, [www.msri.org](http://www.msri.org))**, in Berkeley, California, is one of the world's preeminent centers for research in the mathematical sciences and has been advancing mathematical research through workshops and conferences since its founding as an independent institute in 1982. Approximately 1,800 mathematicians visit the MSRI each year, and the Institute hosts about 85 leading researchers at any given time for stays of up to one academic year. The Institute has been funded primarily by the National Science Foundation with additional support from other government agencies, private foundations, corporations, individual donors, and more than 100 academic institutions. The MSRI is involved in K-12 math education through its annual Critical Issues in Mathematics Education conferences for educators, math circles, the National Association for Math Circles and its website (NAMC, [www.mathcircles.org](http://www.mathcircles.org)), and Olympiad math competitions; in undergraduate education through its MSRI-UP program; and in public education through its "Conversations" series and a variety of public events including the nationwide celebration of the National Math Festival on Saturday, April 18, 2015 (see [mathfest.org](http://mathfest.org)).

**About BCC: Berkeley City College (BCC) ([www.berkeleycitycollege.edu](http://www.berkeleycitycollege.edu))**, one of California's 112 community colleges, is part of the Peralta Community College District, which includes College of Alameda, Laney College and Merritt College. BCC, which began in 1974, is centrally located in downtown Berkeley, only 1-1/2 blocks from the U.C. Berkeley campus. BCC's mission is to contribute to the success of all students and to the well-being of the community by offering the best possible education which promises intellectual growth, social mobility, economic development and an understanding of diverse ideas and peoples. The college is accredited by the Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges. BCC offers transfer and occupational training classes, associate degree and certificate programs. The college is an active partner in local economic development and employment training endeavors. Financial aid, academic and career counseling, programs for students with disabilities and assistance for economically disadvantaged students are available. The college maintains a strong and unique community college/university collaboration with the University of California at Berkeley. BCC is second in California in the percentage of students who transfer to U.C. Berkeley and is second in the state in the percentage of students who transfer to all U.C. campuses in Northern California.