

## Dr. Christopher J Keyes

Associate Professor, Department of Music

Hong Kong Baptist University

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### Education

- DMA in Composition, Eastman School of Music, 1992.
- MM in Composition and Piano, Eastman School of Music, 1989.
- BM in Piano Performance, University of California at Santa Barbara, 1986
- BA in Creative Studies, University of California at Santa Barbara, 1985.
- Post-doctoral studies in Computer Music, University of Washington, 1993-94.

### Research / Creative Interests

- Composition for acoustic and electro-acoustic media
- Intermedia and interactive performance systems
- Software development for sound spatialization, motion and image sonification, granular synthesis, and visualization
- 20<sup>th</sup> century music theory and analysis
- Piano performance

### Academic and Professional Honours

- HK Information and Communications Technology Award for *Best Innovation and Research*, 2007, *HK Information Technology Federation*.
- ASCAP Standard Award (6) for serious music, *American Society of Composers, Authors and Publishers*, New York, NY, 1996-2001.
- Rudolf Nissim Award for best orchestral work by a living ASCAP member, *American Society of Composers, Authors and Publishers*, New York, NY, 1990.
- First Music 8 Award (with a commission), *New York Youth Symphony*, New York, NY, 1991.
- ASCAP Grant to Young Composers (2), *American Society of Composers, Authors and Publishers*, New York, NY, 1989, 1990.
- 1st and 3rd Prizes, Victor Herbert Chamber Music Competition, New York, NY, 1987.
- 1st Prize, Brian Israel New Music Competition, *Syracuse University*, 1987.
- Szernovsky Award in Composition, *Eastman School of Music*, 1989.
- 1st Prize, Mu Phi Chamber Music Competition, *Eastman School of Music*, 1987.
- Louis Lane Award in Composition, *Eastman School of Music*, 1987.
- 1st Prize, George Corwin/Metropolitan Theater Orchestral Competition, *UC Santa Barbara*, CA, 1986.
- Frank Wilczek Award, *UC Santa Barbara*, CA, 1985.
- Erno Daniel Memorial Prize for Distinguished Performance, *UC Santa Barbara*, CA, 1985.
- Music Affiliates Outstanding Performance Award, *UC Santa Barbara*, CA, 1985.
- Winner Concerto Competition, *UC Santa Barbara*, CA, 1985.
- Presidents Undergraduate Research Fellowship in Physics, *UC Santa Barbara*, CA, 1984.
- University of California Regents Fellow, *UC Berkeley*, CA, 1983.

### Professional Experience

- Visiting Scholar, *Center for Computer Research in Music and Acoustics*, Stanford University, Fall 2003.
- Associate Professor, *Department of Music*, Hong Kong Baptist University, 1994 to present.
- Director, *Electro-acoustic Music Centre*, Hong Kong Baptist University
- BA (Hons) in Music Program Coordinator, Hong Kong Baptist University, June 2000 to present.
- Instructor of Composition, *Eastman School of Music*, 1988-1992.
- Lecturer in Music Theory, Music Department, University of Rochester, 1991-1992.

### Course Taught (HKBU)

- Recording Techniques
- Electro-acoustic Music
- Techniques of Twentieth Century Composition

- Current Practices of 21<sup>st</sup> Century Music
- Analysis of Twentieth Century Music
- Materials and Structures of Music
- Contemporary Music Workshop
- Composition
- Orchestration
- History of Western Music (20<sup>th</sup> Century)
- History of Chinese Music (20<sup>th</sup> Century)
- Sound and Multiple media Study (AVA)
- Applications of Creative Music Communication (MA)
- Composer's Seminar (MA)
- Keyboard Skills
- Class Piano
- First Instrument (Piano)
- Electro-acoustic Music (MA)
- PhD Dissertation, MPhil Thesis and BA Honours Projects supervision for Composition, Theory, and Performance

## Publications / Scholarly and Creative Activities

### COMPOSITIONS/COMMISSIONS

1. *An Inescapable Entanglement* (2010) 15 minutes for piano, orchestra, and 8 loudspeakers
  - Premiere scheduled 23 October 2010 HK City Hall Theatre.
2. *Improvisations on Music Improvisation (Defined)* (2010) 7 minutes for piano, DSP, and interactive graphics.
  - Premiere scheduled 27 May 2010 Academic Community Hall, HK.
3. *Three Rooms* (2009) 16 minutes intermedia production for dancer, camera, electro-acoustic music and interactive graphics.
  - Premiere scheduled 24 November 2009 HK City Hall Theatre.
  - Commissioned by the *HK Composer's Guild* and the *Composer's and Authors Society of Hong Kong* (CASH).
4. *Stella Nova (New Star) NGC 2068\** (2009) 12 minutes for piano and percussion.
  - Commissioned and premiered by James Boznos (HK Philharmonic Orchestra) 24 April 2009, Hong Kong.
  - To be released on *Ravello Records* RR7803 January 2010 with digital distribution by *Naxos*.
- 5a. *Sonification Interlude No. 1: The Butterfly Nebula NGC2346\** (2009) 3 minutes for electro-acoustic interactive sonification system.d
  - Premiered 24 April 2009, Hong Kong.
  - To be released on *Ravello Records* RR7803 January 2010 with digital distribution by *Naxos*.
- 5b. *Sonification Interlude No. 2: Dust Galaxy NGC4414\** (2009) 3 minutes for electro-acoustic interactive sonification system.
  - Premiered 24 April 2009, Hong Kong.
  - To be released on *Ravello Records* RR7803 January 2010 with digital distribution by *Naxos*.
- 5c. *Sonification Interlude No. 3: The Spindle Galaxy NGC5866\** (2009) 3 minutes for electro-acoustic interactive sonification system.
  - Premiered 24 April 2009, Hong Kong.
  - To be released on *Ravello Records* RR7803 January 2010 with digital distribution by *Naxos*.
6. *The Horse Head Nebula NGC2023\** (2008) 6 minutes for piano, electronics and interactive graphics.
  - Premiered 27 August 2008, Belfast Ireland.
  - To be released on *Ravello Records* RR7803 January 2010 with digital distribution by *Naxos*.
7. *Spiral Galaxy NGC1300\** (2008) 7 minutes for piano, electronics and interactive graphics.
  - Premiered 24 April 2009, Hong Kong.
  - To be released on *Ravello Records* RR7803 January 2010 with digital distribution by *Naxos*.

8. *The Sombrero Galaxy NGC4594\** (2007) 7 minutes for piano, electronics and interactive graphics.
  - Premiered 22 July 2007, Adelaide Australia.
  - To be released on *Ravello Records* RR7803 January 2010 with digital distribution by *Naxos*.
9. *The Orion Nebula NGC1976\** (2007) 9 minutes for piano, electronics and interactive graphics.
  - Premiered 24 April 2009, Hong Kong.
  - To be released on *Ravello Records* RR7803 January 2010 with digital distribution by *Naxos*.
10. *Oculus Dei (Eye of God) NGC 7293\** (2007) 10 minutes for percussion, tape and interactive graphics.
  - Commissioned and premiered by James Boznos (HK Philharmonic Orchestra) 24 April 2009, Hong Kong.
  - To be released on *Ravello Records* RR7803 January 2010 with digital distribution by *Naxos*.

\* Part of the *Radiant Telemetry* and *New General Catalog Series* (2007-2009)

11. *Mudra Dementia* (2006) 6 minutes for web cam and interactive graphics
  - Premiered 4 November 2006, Richmond Virginia, USA.
12. *in time of all sweet things beyond* (2005) 8 minutes for oboe and harp.
  - Commissioned by Michelle Abbott and Leanne Nicholls (premiere tba).
13. *Of Time and Space* (2004) 10 minutes for percussion and real-time interactive computing.
  - Commissioned by the *Hong Kong Composer's Guild* and the *Composer's and Authors Society of Hong Kong* (CASH).
  - Premiered by James Boznos 22 November 2004, Hong Kong.
14. *Li Jiang Etude No. 3* (2003) 10 minutes for xiao and real-time interactive computing.
  - Commissioned and premiered by Chu Siu Wai 12 February 2003, Hong Kong.
  - Released on *Capstone Records*, CPS-8739 (2004).
15. *In Recent Memory* (2002) 8 minutes for piano and real-time interactive computing.
  - Premiered 12 Feb. 2003, Hong Kong.
  - Released on *Capstone Records*, CPS-8739 (2004).
16. *Li Jiang Etude No. 2* (2001) 10 minutes for piano, *guzheng* and real-time interactive computing.
  - Premiered by Christopher Keyes and Leung Oi Ying on 12 February 2003, Hong Kong.
  - Released on *Capstone Records*, CPS-8739 (2004).
17. *Meditation on the Sea* (2000) 17 minutes for piano, percussion, radio baton and real-time interactive computing.
  - Premiered by Christopher Keyes 23 November 2001, Hong Kong.
  - Released on *Capstone Records*, CPS-8739 (2004).
18. *Veni Sancte Spiritus* (1999) 12 minutes for narrator, chorus, and orchestra.
  - Commissioned and premiered by the *Hong Kong Bach Choir and Orchestra* on 12 December 1999, Hong Kong Cultural Centre.
19. *Steel<sup>3</sup> x Chrome* (1999) 9 minutes for piano and real-time interactive computing.
  - Commissioned by the *Hong Kong Composer's Guild*, premiered by Christopher Keyes 22 Oct. 1999, Hong Kong.
  - Released on *Capstone Records*, CPS-8739 (2004).
20. *Li Jiang Etude No. 1* (1999) 11 minutes for computer-generated tape.
  - Premiered the by *International Computer Music Association* 27 July 1999, Beijing China.
  - Released on *Capstone Records*, CPS-8739 (2004).
21. *A Hurried Darkness* (1998) 9 minutes for Trombone and Piano.
  - Commissioned and premiered by Phillip Brink (HK Philharmonic Orchestra) on 3 March 1998, Hong Kong.
22. *Improvisations No.3* (1998) 6 minutes for *guzheng* (Chinese zither) and real-time digital signal processing.
  - Premiered by Lau Wing Sze 21 Nov. 1998, Hong Kong.
23. *Confusion and Tranquility: Two Lessons from the I Ching* (1997) 8 minutes for women's chorus, piano, and Chinese temple bell.
  - Commissioned by the *Hong Kong Composer's Guild* and *Composer's and Authors Society of Hong Kong* (CASH).
  - Premiered by the *Good Hope School Choir*, 17 May 1997, Hong Kong.

24. *Descant of a Sonic Pendulum* (1997) 5 minutes for piano and real-time digital signal processing.
  - Premiered on Christopher Keyes 23 Jan. 1997, Hong Kong.
  - Released by *Centaur Records* CRC 2377 (1998).
25. *Improvisations No.2* (1997) 4-7 minutes for unspecified solo and real-time digital signal processing via Max/FTS.
  - Premiered by Yau So Han 23 Jan. 1997, Hong Kong.
26. *Sinfonia Computant* (1996) 10 minutes for piano and computer-generated tape.
  - Premiered by Christopher Keyes 17 April 1997, Shanghai China.
  - Released on *Centaur Records* CRC 2377 (1998).
27. *Of Wood, Spring, and Bamboo* (1996) 7 minutes Variations for Harpsichord on the Chinese Melody "Beautiful Spring".
  - Commissioned and premiered by Joyce Lindorff on 23 May 1997, Hong Kong.
  - Released on *Centaur Records* CRC 2377 (1998).
  - Piano version (2003) Released on *Capstone Records*, CPS-8739 (2004).
28. *Improvisations No.1* (1996) 7-12 minutes for large ensemble (flexible scoring).
  - Premiered by the *Contemporary Music Workshop* 23 Nov. 1997, Hong Kong.
  - Published in *Music Educators Journal* Vol. 86, No. 6 (May 2000): 17-22.
29. *The Ghost Within* (1995) 8 minutes for piano and computer-generated tape.
  - Premiered on Christopher Keyes 17 April 1996, Shenyang China.
  - Released by *Centaur Records* CRC 2377 (1998).
30. *Three Preludes* (1995) 14 minutes for piano solo.
  - Premiered on Christopher Keyes 12 May 1996, Hong Kong.
  - Released by *Centaur Records* CRC 2377 (1998).
31. *CompulnroMusic* (1994) 1 minute for Computer-generated Tape with LISP programming.
  - Premiered 17 April 1997, Shanghai China.
  - Released on *Centaur Records* CRC 2377 (1998).

## Papers (refereed)

1. "Improvisational Aspects of Image and Gesture Sonification" in *Proceedings of the 2009 Australasian Computer Music Conference*, Brisbane, Australia July 2009, pp. 86-89.
2. "An Introduction to *ArtsSync*: A New Tool for Mapping Foreground, Middle-ground and Background Musical Structures to Visual Images" in *Proceedings of the 2006 Australasian Computer Music Conference*, Adelaide Australia, July 2006 pp. 97-101.
3. "The *ArtsSync* Project: Methods and Architectures for Mapping Foreground, Middle-ground and Background Musical Structures to Visual Images" in *Proceedings of the 2006 International Computer Music Conference*. San Francisco: International Computer Music Association, November 2006 pp. 388-391.
4. "New Tools New Approaches to the Multi-channel 'Animation' of Stereo Audio" in *Proceedings of the 2006 SPARK Festival*, University of Minnesota, 2006 pp. 59-62.
5. "Recent Technology and the Hybridization of Western and Chinese Musics" In *Organized Sound* Vol. 10 No. 3, 2005 pp. 51-57.
6. "Three Approaches to the Dynamic Multi-channel Spatialization of Stereo Signals." Distribution: the IRCAM Forum, *l'Institut de Recherche et de Coordination Musique/Acoustique*. Paris, 2004.
7. "Implementation of an 8-Channel Real-Time Spontaneous-Input Time Expander/Compressor." In *Proceedings of the 2003 International Computer Music Conference*. San Francisco: International Computer Music Association, (2003): 337-344.
8. "Two Original Compositions and Computer Programs for Utilizing Technology in the Teaching of Musical Improvisation." In *The Compendium of Selected Teaching Development Grants Project*. (September 2001): 57-64.
9. "Improvisations I: Suggestions for Teaching Improvisation and 20<sup>th</sup> Century Idioms." In *Music Educators Journal* Vol. 86, No. 6 (May 2000): 17-22.
10. "Identity, History, and Creativity: Underlying Differences in Much of Asian, European, and American Contemporary Music." Presented at *The 1999 International Conference of the College Music Society* in Kyoto.

11. "Set-Classes, 12-Tone Rows, and Tonality in the Third Movement of Samuel Barber's *Piano Sonata*: The Non-Duality of Tonality and Atonality." In *20th Century Music* Vol. 5, No. 8 (August 1998): 9-15.

## Major Grants

### External

1. *Laboratory of Immersive Media* UGC Special Equipment Grant, HK University Grants Council, 2008. Funded at HK\$ 2,997,383.
2. *Synthesia: New Multimedia Works Integrating Real-time DSP and Interactive Graphics* Competitive Earmarked Research Grant (CERG), HK University Grants Council, 2006.
3. *The Creative Sound Spatialization Project*. Competitive Earmarked Research Grant (CERG), HK University Grants Council, 2001.

### Internal

4. *The Creative Visualization of Musical Data for Interactive Multi-media Projects*. Faculty Research Grant, HK Baptist University, 2005.
5. *The Li Jiang Etudes: Digital Formatting of 7 Original Hong Kong Compositions*. Faculty Research Grant, HK Baptist University, 2003.
6. *Li Jiang Etude No.2: An Original Composition for Piano, Chinese Instrumental Sounds, and Real-Time Digital Signal Processing*. Faculty Research Grant, HK Baptist University, 2000.
7. *Veni Sancte Spiritus Spiritus for Narrator, Chorus and Orchestra*. Faculty Research Grant, HK Baptist University, 1999.
8. *Spectrum Metamorphi for Piano and Real-time Digital Signal Processing*. Faculty Research Grant, HK Baptist University, 1998.
9. *A Digital Archive of Chinese Instrumental Sound Samples and Li Jiang Etude for Computer-generated Tape*. Faculty Research Grant, HK Baptist University, 1997.
10. *Realization and Digital Formatting: Of Wood Spring and Bamboo, Variations for Harpsichord on the Chinese Melody "Beautiful Spring"*. Faculty Research Grant, HK Baptist University, 1997.
11. *Realization and Digital Formatting of 4 Original Compositions: The Ghost Within and Three Preludes*. Faculty Research Grant, HK Baptist University, 1995.
12. *Computant and Agape; Two Original Compositions for Piano and Computer-generated Tape*. Faculty Research Grant, HK Baptist University, 1994.
13. *Two Original Compositions and Computer Programs Utilizing Recent Technology for the Teaching of Musical Improvisation*. Teaching Development Grant, HK Baptist University, 1996.

## Software

In use by several universities world wide and featured in August 2008 *Electronic Musician Magazine*. All software disseminated via The IRCAM Forum, *l'Institut de Recherche et de Coordination Musique/Acoustique* (Paris) and/or the HKBU *Laboratory for Music Exploration and Research* website: <http://www.hkbu.edu.hk/~lamer/download.htm>. All run under Windows XP and Mac OSX (PPC and Intel processors).

1. "SIHyper!" *Sonification and Intermedia Hyper-instrument*, software for the sonification of still and moving images July 2009.
2. "Real-time Granulator" for the real-time granulation of digital audio, June 2008.
3. "IDAH" *Interactive Digital Arts Hyper-instrument*, software for real-time sonification of moving images, October 2007.
4. "ArtsSync" software for integrating audio with real-time interactive graphics, August 2006.
5. "Real-time Granular Synthesis Cloud Generator 1.0" June 2004.
6. "Frequency Domain Spectral Spatializer 1.0" for redistributing spectral energy of stereo signals over multiple loudspeaker arrays May 2003.
7. "8 -Channel Amplitude Panning Array 1.0" for redistributing stereo signals over 4 and 8 channel loudspeaker arrays March 2003.
8. "Real-time Granular Spatializer 2.0" for granulating and distributing live or pre-recorded sounds over multiple loudspeaker arrays January 2003, (version 1.0, 2002).
9. "Real-time Granular Time Expander/Compressor 1.0" for independent time and pitch

manipulation of live or pre-recorded sounds Nov. 2001.

10. "Radio Baton Program 1.0" for the control of Max Mathew's MIDI Controller, Feb. 2000

## Solo Piano Performances on Recordings

(All performing original compositions by the composer)

2008-09 recordings:

1. *The Horse Head Nebula NGC2023* (6 minutes) on *Ravello Records* (RR7803, Jan. 2010 release).
2. *Spiral Galaxy NGC1300* (7 minutes) on *Ravello Records* (RR7803, Jan. 2010 release).
3. *The Sombrero Galaxy NGC4594* (7 minutes) on *Ravello Records* (RR7803, Jan. 2010 release).
4. *The Orion Nebula NGC1976* (9 minutes) on *Ravello Records* (RR7803, Jan. 2010 release).

2003-04 recordings ["Masterful...a modernized Rachmaninov"-review *Fanfare Magazine*]:

5. *Li Jiang Etude No. 2* (10 minutes) on *Capstone Records* (CPS-8739, 2004).
6. *Meditation on the Sea* (17 minutes) on *Capstone Records* (CPS-8739, 2004).
7. *Steel<sup>3</sup> x Chrome* (9 minutes) on *Capstone Records* (CPS-8739, 2004).
8. *In Recent Memory* (8 minutes) on *Capstone Records* (CPS-8739, 2004).
9. *Of Wood Spring and Bamboo* (7 minutes) on *Capstone Records* (CPS-8739, 2004).

1996-97 recordings:

10. *Three Preludes* (14 minutes) on *Centaur Records* (CRC 2377,1998).
11. *The Ghost Within* (8 minutes) on *Centaur Records* (CRC 2377,1998).
12. *Descant of a Sonic Pendulum* (1997-5 minutes) on *Centaur Records* (CRC 2377,1998).
13. *Sinfonia Computant* (10 minutes) on *Centaur Records* (CRC 2377,1998).
14. *Bartok Variations* (8 minutes) on *Centaur Records* (CRC 2377,1998).
15. *enormous nowhere* (9 minutes) on *Centaur Records* (CRC 2377,1998).
16. *Ballade for the Children of the Modern Age* on *Centaur Records* (CRC 2377,1998).

## Solo Piano Performances Given at International Festivals & Conferences

(Invited / Jury selected, excluding Hong Kong performances)

- C. Keyes *Spiral Galaxy NGC1300* performed at the 2009 *Australasian Computer Music Conference* Brisbane Australia.
- C. Keyes *The Horse Head Nebula* performed at the 2008 *International Computer Music Conference* Belfast Ireland.
- C. Keyes *Mudra Dementia* performed at the 2008 *re:new Digital Arts Festival* Copenhagen Denmark.
- C. Keyes *In Recent Memory* performed at the 2006 *Society for Electro-acoustic Music in the US National Conference* Eugene OR.
- C. Keyes *The Sombrero Galaxy* performed at the 2006 *Australasian Computer Music Conference* Adelaide Australia.
- C. Keyes *The Sombrero Galaxy* and *Mudra Dementia* performed at the 2006 3<sup>rd</sup> *Practice Festival of New Music and Art* Richmond Virginia.
- C. Keyes *In Recent Memory* performed at the 2004 *International Computer Music Conference* Miami Florida.
- C. Keyes *Shasta* for piano and orchestra with the *Moravain Philharmic Orchestra* for the 2003 *Vienna Modern Masters Festival of New Orchestral and Chorale*, Czech Republic.
- C. Keyes *Sinfonia Computant* performed at the 2000 *Portland Electro-acoustic Music Festival*.

## Works Performed at other International Festivals & Conferences

(Excluding premieres)

- *Li Jiang etude No. 1* at the 2004 *Multi-channel Sound Projection Concert Series* at Grand Valley State University, Michigan.

- *Of Wood Spring and Bamboo* at the 22nd Annual New Music and Art Festival at Bowling Green University (2002).
- *Pittsburgh Music* at the 2002 International Society of Contemporary Music Festival, Hong Kong.
- *Steel<sup>3</sup> x Chrome* at the 2001 Musicarama International New Music Festival, Hong Kong.
- *Li Jiang Etude No. 1* at the 1999 International Computer Music Conference Beijing.
- *Li Jiang etude No. 1* at the 1999 International Conference of the College Music Society, Kyoto.
- *Three Preludes* at the 1998 Musicarama International New Music Festival, Hong Kong.
- *Pittsburgh Music* at the 1998 Composer's Workshop of the Hong Kong Philharmonic Orchestra.
- *TROIS* at the 1997 Hong Kong Arts Festival presentation: *The Bauhinia Piano Trio* .
- *CompulntroMusic* at the 1996 International Computer Music Conference Hong Kong.
- *The Ghost Within* at the 1995 Musicarama International New Music Festival, Hong Kong.
- *Bartok Variations* at the 12th Annual New Music and Art Festival at Bowling Green State (1994)

### Solo Piano Recitals (selected)

- Guest composer/accompanist for the *Robert Wood-Dance New York* ensemble 2008.
- *A Concert of Spatialized Music for Piano and Flute*, Center for Computer Research in Music and Acoustics, Stanford University 2003.
- *A Concert of Spatialized Music for Piano and Xiao*, Chinese University of HK 2003.
- *A Concert of Spatialized Music for Piano and Xiao*, HKBU 2003.
- *Recent American Piano Music*, Central Conservatory of Music, Beijing 1996.
- *Recent American Piano Music*, Shanghai Conservatory of Music, Shanghai 1996.
- *Recent American Piano Music*, National Institute of Education, Singapore 1996.
- *Twentieth Century Piano Music*, Seattle, WA, 1992.
- *Twentieth Century Piano Music* Western Washington University, 1993.
- *Twentieth Century Piano Music* Southern Oregon State University, 1993.
- *Twentieth Century Piano Music* California State University at Fresno, 1993.
- *Twentieth Century Piano Music* University of California at Santa Barbara, 1993.
- *Twentieth Century Piano Music* Shasta County Arts Council, Redding CA, 1993.
- *Carnegie Hall Debut*, soloist with the New York Youth Symphony, NY, 1992.

### Installations

1. *Interactive Digital Arts Hyper-instrument (IDAH)* for the 2007 Innovation Expo. Organized by the HK Innovation and Technology Commission at the HK Exposition Centre.
2. *Interactive Digital Arts Hyper-instrument* for the 2007 HK Information and Communications Technology Awards organized by the HK Information Technology Federation at the HK Cyberport.
3. *Interactive Digital Arts Hyper-instrument* for the 2007 Hong Kong Digital Lifestyle Exposition organized by The Hong Kong Digital Entertainment Association at the HK Cyberport.
4. *iSTOP* an Interactive Digital Arts-space for HKBU HSH Campus with support from a HKBU Faculty Research Grant.
5. *Contemporary Music and You*: an interactive multi-media installation commissioned by the HK Composer's Guild and the HK Leisure and Cultural Service Department. Ran 1 August 2006 - 31 January 2007 in Tsuen Wan Town Hall.
6. *Crossing Lines*: an interactive multi-media installation commissioned by the HK Composer's Guild and the HK Leisure and Cultural Service Department. Ran 10 February - 2 March 2007 in Tsuen Wan Town Hall Exhibition Hall

## International Radio Broadcasts & Performances (selected)

- **ASCAP reports broadcasts and performances in 29 countries including:** Argentina, Austria, Australia, Belgium, Britain, Colombia, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Israel, Japan, Netherlands, Norway, Poland, Russia, South Africa, Spain, Switzerland, and Uruguay.
- *RTHK Radio 4, Composer in Residence* January 2000. Broadcast of 12 works and 4 interviews, Hong Kong.
- *Swedish National Radio Corporation* program: Recent Developments in Electro-acoustic Music, 24 October 1996, Sweden.
- *Liaoning Artistic Broadcasting Station, FM 95.9* program: Recent American Piano Music, and interview with the composer. 17 April 1996, Shenyang, PRC.
- *KING FM96.1*, Live broadcast, 20th-century piano music and interview with the composer, 13 November 1992, Seattle, WA, USA.

## Service

### University

- *Programme Coordinator* for the BA (Hons.) in Music (2000-present)
  - Curriculum revision
  - Admission duties include audition panel membership
  - Recruitment activities
  - Student advising, documents revision, AR liaison etc.
- Member *Arts Faculty 3+3+4 committee*
- Member *Music Department Associate Degree Committee*
- Member *Research Committee's Arts and Social Sciences Specialists* (2006-08)
- Member *Music and Visual Art Academy search committees* (several)

### Community

- Updates, support, and maintenance to LaMER website and its free programs  
In use by several universities world wide and featured in *Electronic Musician Magazine*
- "New Directions in Percussion & Rhythmic Experimentation," lecture for *Education Bureau* series *Experiencing Composition and Contemporary Music*, 5 November 2009.
- Sound production and engineering for *Musicarama Contemporary Music Festival's* Electro-acoustic Music Concerts 2006-09.
- External Examiner for PhD and MPhil dissertations for HKU, City U., and HK University of Science and Technology 2005-09.
- Panel Chair for *Electro-acoustic Music and Canonization* for the International Society of Contemporary Music, International Society for Contemporary Music Festival, Hong Kong, 2006
- *Interactive Interdisciplinary Projects in the Arts* lecture for the Cattle Depot Arts Centre HK 2007
- Interviews (various) for local and overseas technology magazines 2007-08
- Adjudicator for the *New Generations Composition Competition* 2005-09
- Adjudicator for *Macau International Piano Competition* 2005
- Adjudicator for the 1996 and 1999 *International Computer Music Association* Music Submissions