

**Curtis Bahn Ph.D.**  
**Curriculum Vitae, 2009**  
**Associate Professor**  
**Department of the Arts, Rensselaer Polytechnic Institute**

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**Education**

1993-1997 Princeton University, M.F.A., Ph.D. in music composition.  
1983-1985 Brooklyn College, C.U.N.Y., M.A. in computer music composition.  
1978-1982 Indiana University, B.Mus. in string bass performance and jazz studies.  
1977-1978 Interlochen Arts Academy.

**Related Studies**

2005 – present, private studies in North Indian classical music with Steve Gorn, Bansuri and Ustad Shahid Parvez Khan, Sitar.

**Professional Experience**

1997 - present Associate Professor of Computer Music Composition and Performance and Director, iEAR Studios, Rensselaer Polytechnic Institute.  
2004 - spring Visiting Asst. Prof./ Artist in Residence, Brown University.  
1998 - spring Lecturer in Computer Music, Columbia University.  
1994-1997 Instructor of String Bass and Graduate Preceptor, Princeton University.  
1986-1993 Technical Director, Center for Computer Music, C.U.N.Y. Charles Dodge, Director.  
1985-1990 Instructor of Computer Music and Music Composition, New York University, S.E.H.N.A.P.

**University Courses (at Rensselaer unless otherwise noted)**

yearly *Computer Music Studio*  
yearly *Multi-media Performance System*  
yearly *Interactive Arts Programming*  
2008 *Experimental Telepresence*  
2008 *Senior eARTS Thesis*  
2005 *Electronic Arts Practice*  
2004 *Extended Instrument Composition and Performance*, Brown University.  
2000-2003 *Performance Installation and Production*  
multiple collaborative production project classes with guest artists Dan Trueman, Perry Cook, Elizabeth Streb, VGTV, Eve Beglarian and Toni Dove.  
2002 *Music Theory and Counterpoint*  
2001-2002 *Advanced Computer Music and Acoustics*  
1998 *Interactive Music Composition*, Columbia University Computer Music Center.

**Selected Compositions, Performances and Residencies**

“*The MahaDeviBot Sessions: Music for computer-extended sitar and robot*,” Arne Eigenfeldt, Ajay Kapur and Curtis Bahn at the Western Front, Vancouver B.C., 3/13/09.

National Institute of Design Workshop in Digital Media, Bangalore India. Week-long residency and seminar in computer music and interactive media and concert with Ajay Kapur at the National Institute of Design - Bangalore Research Campus. 12/ 14-21/ 08.

“Experiments in the Studio” and “Hudson Valley Project” Residency with Merce Cunningham Dance Company. Rehearsals, 1 musical performance at the New York westbeth studio and 2 site-specific performances with the core dance company and musicians Takehisa Kosugi, Keiko Uenishi, and Alex Waterman at DIA Beacon. Funded through NYSCA, NEA and a variety of other sources. Nov. 28 – Dec. 9 2008.

Solo Residency at Stetson University New Media Program, Florida Meetings and demonstrations for students and classes ,and a concert accompanied by Pandit Nandkishor Muley - Santoor, Tabla and Vocal Master. 10/08.

“*Telemorphosis*,” telematic concert with the Roots Ensemble, Belfast, Sound Wire, Stanford and Tintinabulate, Rensselaer introducing the “Vibrobyte” haptic interface developed through EMPAC seed grant. I directed the development of the Vibrobyte and wrote the interactive computer compositional structure that coordinated the performance. – 8/28/08 International Computer Music Conference (ICMC).

Karmetik Collective; Ajay Kapur, Curtis Bahn, Jess Brown, Manj Benning - shared feature concert with “Eccodek,” F. Kiran Ahluwalia. Victoria Jazz Festival 6/28/08.

Solo Performance of Computer extended dilruba accompanied by Seth Cluett (shruti box). Issue Project Room, Brooklyn, NY. “Floating Points” Series. 6/12/08

“*Telemurgence*,” organized and performed in telematic concert with Chris Chaffe/Stanford, Marc Dresser/UCSD, Tintinabulate/Rensselaer and Deep Listening Composers. 4/27/08.

Smith College Arts and Technology Performance Festival, featured performance in live electro-acoustic Concert / with Thomas Ciufu. 4/11/08.

*In/Still* a commissioned work for laptop orchestra and sensor/conductor in collaboration with dancer Tomie Hahn for the ensemble PLOrk (Princeton Laptop Orchestra). Spring Festival – “Sonic Divergence: A Confluence of Musical Originals” Northwestern University School of Music, Pick-Staiger Concert Hall. 4/5/08.

Three days of performances at the India International Centre New Delhi during the CeC and CaC Indian Contemporary Arts Festival. Feb 15-17, 2008. Performances with Aparna Panshikar, Ajay Kapur, Lawrence Casserley, Ansuman Biswas, Aleksandra Dulic, Kenneth Newby, and Martin Gotfrit. India International Centre is a very significant performance venue in India. I was a co-organizer and curator of the event.

National University of Singapore, Singapore Arts Festival 2008: Featured performance of computer extended sitar with robotic drummer “*The MahaDeviBot Sessions*” by Karmetik Collective: Ajay Kapur, Curtis Bahn and Arne Eigenfeldt 2/24/08, University Cultural Center Theatre, Singapore.

“*MahadeviBot*,” performance with Ajay Kapur and his musical robot, eDilruba and eSitar. New Interfaces for Musical Expression (NIME), New York University. 6/9/07.

Solo Debut of extended Sitar interface and performance with “*SeknSak*,” Lawrence Casserley, Ansuman Biswas, and Aparma Panshikar, 2/10/07, India International Centre, Delhi.

ASU/AME Commission and multi-year residency for Motion<sup>e</sup> Project: “How Long Does the Subject Linger on the Edge of the Volume...” Major NSF funded residency with MacArthur Award winning Choreographer Trisha Brown at Arizona State University Arts, Media and Engineering Program. “The Motion<sup>e</sup> project of the Arts, Media and Engineering (AME) program at ASU, brings together choreographers Trisha Brown and Bill T. Jones; media artists Paul Kaiser, Shelley Eshkar and Marc Downie; composers Roger Reynolds and Curtis Bahn; lighting designer Robert Weirzel with AME artists and engineers for the creation of two ground breaking, interactive multimedia works, new motion analysis systems and interactive technologies.”  
<http://ame.asu.edu/motione/>

Three compositional versions completed for interactive performance, non-interactive performance, and DVD publication

Live Interactive version:

Premiered at Arizona State University, Gammage Hall: April 9<sup>th</sup> 2005  
Great Performers Series, Rose Theater Lincoln Center, New York City, 14-15 April 2005  
Monaco Dance Forum, GRIMALDI FORUM, Monaco , 12/13/06

Non-interactive composition - representative performances:

De Singel, Antwerp; Sadler's Wells, London; Palais Garnier, Paris; Centre National de Danse Contemporaine; Grand Théâtre D'Angers; Theatre de Caen; Burghoff Lorrach, Grand Theatre de la Ville, Luxembourg; Scene National de Poitiers; Opera de Lille; Centre Culturel de L'Arrondissement de Huy, Liege; Theater de la Place, Wallonie-Bruxelles Belgium; Centre Culturel de Huy, Liege; Staatstheater Munich; La Passerelle scène nationale de Saint-Brieuc; Cal Performances Univ. California, Berkeley; Hoofdingang en bespreekbureau - deSingel Internationale Kunstcampus, Antwerpen; Zellerbach Hall, UC Berkeley; Montpellier Danse Festival 07 , Opera Belrioz / Le Corum.

Artist-in-residence and performance with the group "interface," Curtis Bahn, Tomie Hahn and Dan Trueman, Universidade Nova de Lisboa, Portugal. Workshops de Arte da NOVA, Programa de Formação em Música e Tecnologia, "Sensores e Controladores Digitais para Performance e Criação Musical." 10/28-11/1/06.

5.5 *Gardens*, an evening-length collaborative theatrical led by Dan Trueman premiered at Princeton University. Composition of interactive music for character Tara, performed by Tomie Hahn. This project also involved the group "interface," as well as Dan Trueman's ensemble "Trollstilt," the percussion quartet "So Percussion," and visual artists Judy Trueman and Jonathan Marcus. March 2-7 2005.

Artist-in-residence with "interface," Tomie Hahn and Dan Trueman. "Music, Art and Media in Performance." Institute for Studies in the Arts, Arizona State University. Arts Media and Engineering program (ASU/AME) 11/30-12/5/04 and 4/4-11/05.

Artist/scholar residency with Tomie Hahn and Dan Trueman at The Center for Humanities and Arts Visiting Artist/Scholar, a unit of the Office of the Vice-President for Research at the University of Georgia. Athens, GA. 10/18-22/04. This residency is competitive, 2-3 artist-scholars are chosen each year.

Coca-cola Artist-in-residence with Tomie Hahn and Dan Trueman. Emory University. Atlanta, GA. 10/13-16/04.

Interface performance as part of an artist-in-residence. Institute for Studies in the Arts, Arizona State University. 12/02/04

"Pikapika" performance for Columbia University's 250<sup>th</sup> anniversary celebration: New Frontiers in Creativity. Low Rotunda, Columbia University, New York City. 9/30/04.

"Pikapika" performance and presentation on current work with Tomie Hahn at The First Beijing International New Media Arts Exhibition and Symposium at The Millenium Museum and Tsinghua University, Beijing, People's Republic of China. 5/26-6/3/04.

Featured solo recital of computer extended string bass at the International Society of Bassists Convention, Richmond VA. 6/4/2003

Hahn/Bahn invited featured performers at NIME, New Instruments for Musical Expression, McGill University, Montreal, Canada. 5/22-25, 2003.

Residency with the group "interface" at Engine27, New York City. 5/12-16, 2003.

"Resonating Traditions," Performance/Demonstration: Hahn / Bahn, Smithsonian Institute Freer and Sackler Galleries, Meyer Auditorium. 5/3/2003.

“Inside-in, alternative paradigms for sound spatialization.” Invited presentation at the Acoustical Society of America convention, Nashville. Bahn/Moore. 4/29/03.

OSU Summer Workshop in Dance and Interactive technology, OSU Dance Department in partnership with Wexner Art Center. With guest artists Hahn/Bahn/Trueman in residence. Workshop organizer, Johannes Birringer. Interactive music/dance concert featuring the group “interface” and dancer Tomie Hahn. 6/18-30. 2001.

“Solo Artists on the Edge: Immersion Music by Virtuosos” Somerville Theater, Boston. Featured presentation of the Boston Cyberarts Festival, produced by Teresa Marrin Nakra and Immersion Music Inc. 4/22/2001.

### **Publications**

McDonald, K., Kouttron, D., Bahn, C., Braasch, J., Oliveros, P. forthcoming. “The Vibrobyte: A Haptic Interface for Co-Located Performance” New Interfaces for Musical Expression (NIME).

Kapur, A., Eigenfeldt, A., Bahn, C., Schloss, W. A., 2008. “ Collaborative Composition for Musical Robots.” International Conference on Digital Arts (ARTECH). Porto, Portugal.

Bahn, C. 2007. *Motion<sup>e</sup>*. DVD publication of residency commission “How Long Does the Subject Linger on the Edge of the Volume...” Documentation and video version of commission for Trisha Brown Dance at Arizona State University Arts, Media and Engineering Program.

Bahn, C. (producer/engineer/performer), Hahn T., Trueman D., Oliveros P. 2004. *Recording Field, H*, DVD. Deep Listening Publications.

Bahn, C. and Trueman, D. 2003. Documentation of three works from the group “interface” included in *The Sound and Video Anthology, Computer Music Journal* 27(4).

Hahn, T., Bahn, C. 2003. “ Pikapika – the Collaborative Composition of an Interactive Sonic Character,” *Organised Sound*, vol 8-8.

Trueman, D., Bahn, C. 2002. *.!swank*. Duo CD of interactive music performance.

Bahn, C., Hahn, T., Trueman, D. 2001. “Physicality and Feedback,” *Proceedings International Computer Music Conference*.

Bahn, C., Hahn, T., Trueman, D. 2001. “A Focus on the Body in the Performance of Electronic Music.” *Proceedings of the IEEE Multi-Media Technology and Applications Conference (MTAC)*.

Bahn, C., Trueman, D. 2001. “Interface: Electronic Chamber Ensemble.” New Interfaces for Musical Expression (NIME) workshop of the CHI2001 conference for human/ computer interaction, Seattle, WA.

Trueman, D., Bahn, C., Cook, P. 2001. “Alternative Voices for Electronic Sound: Spherical Speaker Arrays and Sensor/Speaker Arrays.” *Proceedings International Computer Music Conference*.

Bahn, C. 2001. *r!/g*, Solo CD documenting live interactive performance system. EMF media, CD#030.

### **Recommenders**

Brad Garton, Director of the Columbia University Computer Music Center

Martin Gotfrit, Director of the School for the Contemporary Arts, Simon Fraser University

Dan Trueman, Assoc. Professor of Music Composition, Princeton University