

## The Juilliard School Music Technology Center and Yamaha Join Forces to Stage Unprecedented Multimedia Musical Performance

An innovative music and technology collaboration leverages Yamaha Disklavier RemoteLive technology; links three pianists on two continents in one remarkable performance.

New York, NY (PRWEB) April 03, 2012

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The Music Technology Center at the Juilliard School, in collaboration with Yamaha Corporation of America, redefined the live concert experience with Beyond the Machine: 12.1 Synchronicity - A Festival of Electro-Acoustic and Intermedia Art. Running from March 29 – April 1, the groundbreaking presentation, featuring Yamaha's Disklavier® RemoteLive technology, linked three pianists on two continents and three time zones, via the Internet, in a single, remarkable, live musical performance.

In this first-of-its-kind performance, three pianists played John Cage's Winter Music (scored for 1-20 pianos) together on stage at the Juilliard School's Willson Theater, but with only one pianist physically present. The other two instruments were played live and in real time by musicians in Kakegawa, Japan and Buena Park, California, via Internet-connected Disklavier performance-reproducing pianos, in one of several exciting new applications of Yamaha's pioneering RemoteLive technology. The production was made possible by the support of Yamaha Corporation of America and Yamaha Corporation of Japan, which created this new technology.

The Disklavier is a special acoustic piano fitted with a sophisticated system of sensors that record every aspect of a performance, including pitch, dynamics, phrasing and pedaling. The performance information can be stored on a hard drive and recalled for a later performance. The latest model of Disklaviers can be connected to one another via the Internet. Once connected, the performance information can be transmitted from one instrument to the others – and be immediately reproduced with perfect precision, even on the other side of the globe. Juilliard Pianist Allegra Chapman performed in New York City on an acclaimed CFX concert grand piano and was joined by Pianist Luna Inaba in Kakegawa, Japan and Pianist Hojoon Kim in Buena Park, California, both playing Yamaha Disklavier performance-reproducing pianos.

"We wanted to explore whether we could evoke an authentic sense of 'ensemble' and artistic unity by joining performers from different parts of the globe with new technology, such as RemoteLive," said Edward Bilous, artistic director for Beyond the Machine and founding director of The Juilliard Music Technology Center. "This production's success fulfilled our goals of expanding the concert experience, pushing the boundaries of the performing arts and, ultimately, making the world a little smaller."

According to Yamaha Disklavier Marketing Manager Jim Levesque, "It was a thrill to witness RemoteLive technology used to such stunning effect by the Juilliard Music Technology Center. This visionary presentation proves that live musical performance and collaboration can now defy time and space."

The program was complemented by John Cage's works Radio Music for 1-8 Radios (1956); Third Construction for Percussion Quartet (1941); Nick Didkovsky's Zero Waste; and Base Track, based on multimedia artwork by Teru Kuwayama and adapted by Roderick Hill, a journalist/multimedia artist in Afghanistan.

Beyond the Machine is a multimedia performance environment featuring creative artists from around the world who share an interest in new technology and collaboration. With the support of Juilliard's Music Technology Center, actors, dancers and musicians use digital technology to produce new musical sounds, control lighting and video with body sensors, shape audio and video events by moving through a virtual field and interact with artists around the world via the Web.

Juilliard's Music Technology Center was created in 1993 to provide students with the opportunity to use digital technology in the creation and performance of new music. Since then, the program has expanded to include a wide offering of classes, including Introduction to Music Technology, Music Production, Film Scoring, Computers in



Allegra Chapman, Hojoon Kim and Luna Inaba perform John Cage's Winter Music on Yamaha acoustic and Disklavier pianos at The Juilliard Music Technology Center.

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Performance, and an Independent Study in Composition. In 2009, the Music Technology Center moved to a new, state-of-the-art facility that includes a Mix and Record suite and digital 'Playroom' for composing and rehearsal with technology. Together, with the Willson Theater, the Music Technology Center is the home of interdisciplinary and electro-acoustic projects and performances at Juilliard.

On April 18, 2012, the Music Technology Center at Juilliard will be renamed the "Center for Innovation in the Arts - A Program for the Advancement of Creativity in the Performing Arts and Education," with Bilous as director.

For more information on Juilliard's Music Technology Center and Beyond the Machine, please visit <http://musictech.juilliard.edu>.

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#### About The Juilliard School

The Juilliard School established this country's standard for education in the performing arts, beginning with music in 1905. In 1951, its Dance Division was established, with combined training in contemporary and ballet technique. Juilliard became part of Lincoln Center in 1968, and added a four-year drama program. In 2001, Juilliard broke new ground with the addition of its jazz program; a graduate program in Historical Performance began in fall of 2009, the same year that Juilliard inaugurated its partnership with the Metropolitan Opera's Lindemann Young Artist Development Program. Well into its second century of excellence, Juilliard has expanded its facilities with a 39,000 square-foot addition, completed in 2009. Currently close to 850 young artists from 46 states and 39 foreign countries are enrolled at Juilliard. For more information, visit The Juilliard School Web site at: <http://www.juilliard.edu>.

#### About Yamaha

Yamaha Corporation of America (YCA) is one of the largest subsidiaries of Yamaha Corporation, Japan and offers a full line of award-winning musical instruments and sound reinforcement products to the U.S. market. Products include: Yamaha acoustic, digital and hybrid pianos, portable keyboards, guitars, acoustic and electronic drums, band and orchestral instruments, marching percussion products, synthesizers, professional digital and analog audio equipment, Steinberg recording products and Nexco commercial audio products. YCA markets innovative, finely crafted technology products and musical instruments targeted to the hobbyist, education, worship, professional music and installation markets.


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