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## New “EARTHQUAKE” ballet to debut tonight in San Francisco



*“EARTHQUAKE” will be an athletic tour de force that will shake the audience with its raw power and excitement” –*

**Choreographer Nikolai Kabaniaev**

This evening, San Francisco’s **Yerba Buena Center for the Arts** will be the site of the debut of the “**EARTHQUAKE**” ballet – to be performed by the Bay Area’s critically-acclaimed **Diablo Ballet** company.

Choreographed by former Kirov Ballet principal dancer **Nikolai Kabaniaev** (now Diablo’s Co-

Artistic Director), the production will feature eight top dancers from around the world, a towering sculpture shaped like a Richter Scale, and an explosive original musical score that includes computer-generated sound effects.

**For those who miss it on April 5, the “EARTHQUAKE” ballet will also be performed on May 19-20, 2006 at the Dean Leshner Regional Center for the Arts in Walnut Creek. For more information, go to [www.DiabloBallet.org](http://www.DiabloBallet.org)**

“EARTHQUAKE” was commissioned by Berkeley-based **Computers & Structures, Inc.** ([www.CSIberkeley.com](http://www.CSIberkeley.com)) to celebrate the extraordinary advances in earthquake engineering technology that have occurred over the last century – particularly in the last 40 years.

CSI is responsible for the leading structural and earthquake engineering software that is used in over 160 countries to design buildings, bridges, dams, towers and other man-made structures to withstand the forces of nature – such as earthquakes, waves, winds, and hurricanes. Among the recent projects designed with CSI products were Freedom Tower (being erected on the site of the World Trade Center) in New York, the new East Span of the San Francisco-Oakland Bay Bridge, the 2008 Summer Olympics Stadium in Beijing, and such record-setting skyscrapers as the World Financial Center in Shanghai (101 floors), the Petronas Twin Towers in Malaysia (88 floors), the Taipei 101 Tower in Taipei (101 floors), and the Burj Dubai Tower in the UAE (150+ stories).

The inspiration for the ballet, says **CSI founder and President Ashraf Habibullah**, who is also a structural engineer, came from “the widespread fear people still have about earthquakes. That’s because most people don’t realize how mature and advanced earthquake engineering technology is today. With such a focus on the 100<sup>th</sup> Anniversary, we felt that a ballet that bridges art and technology would be a unique way to both mark this historic anniversary and to spotlight the advances in earthquake engineering technology.”

One hundred years ago, we did not have the technology or know-how to design buildings to withstand the severe forces of earthquakes. As a result, the 1906 San Francisco Earthquake (and the fire that followed) leveled some 25,000 buildings and destroyed 490 city blocks.

Today, things are different – the structural engineer generates 3-D mathematical structural models in the computer, straight from initial design drawings produced by an architect, designer or artist. The engineer then uses software to subject these models to simulated earthquakes or blowing winds. The software produces 3-D animations that graphically depict the swaying and stress variations under the influence of the loads.

“As the model sways back and forth during the earthquake, the software tracks and identifies all critical stress points and conditions that could compromise the integrity of the structure. The engineer then uses this information to fix the structure before even a single beam is laid!” says Habibullah.

“As a result, modern high rise buildings that have been designed with today’s technology are probably the safest place that you can be during an earthquake. The impact of the technology is obvious when we see that a 6.8 quake in Seattle in 2001 results in only one death, compared to places where modern technology has not been applied and tens of thousands of lives are lost.”

Could what occurred in 1906 happen again in San Francisco? “Frankly, there are buildings in San Francisco that are going to be in trouble, because they have not been retrofitted – retrofitting costs money. It’s just a matter of priorities; a lot can be done to upgrade older buildings that are a continuing threat,” he says.

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## ***Biographies***

### **About Diablo Ballet**

Under the direction of co-founder and Artistic Director Lauren Jonas, Diablo is comprised of 10 international dancers who have performed soloist and principal roles in such distinguished companies as the Kirov Ballet (Russia), Bavarian National Ballet (Germany), Ballet Columbia and National Ballet of Venezuela (South America), San Francisco Ballet and Miami City Ballet. The company, which is based in the San Francisco Bay Area, has distinguished itself as a major force in the performing arts and arts education at the national and international level. With a versatile and vibrant repertoire ranging from classical to contemporary, emphasizing both traditional and original choreography, Diablo Ballet is very engaging to a wide spectrum of dance enthusiasts and has attracted the attention of dance presenters internationally. The company recently performed to critical acclaim in Bangkok, Thailand, sponsored by the United States Embassy.

Diablo Ballet has a comprehensive Dance Development and Educational Outreach Program that reaches over 5,000 school children every year. It particularly provides free theatre experiences and classroom instruction to children in under-served or less privileged areas through Diablo’s Theatre Encounter and Adopt-a-Class programs. More information about the company is available at [www.DiabloBallet.org](http://www.DiabloBallet.org).

### **About choreographer Nikolai Kabaniaev**

Nikolai Kabaniaev is Diablo’s Co-Artistic Director and a former principal dancer and soloist for the famed Kirov Ballet. He received his training at the prestigious Vaganova School in St. Petersburg, Russia. In 1989, he joined the Oakland Ballet as a principal dancer. Kabaniaev has also performed with Smuin Ballets/SF, as well as taught master classes and choreographed for numerous companies and schools in the Bay Area, Hawaii and Mexico. Kabaniaev joined Diablo Ballet in March 1994 as an original founding member and principal dancer. During the last decade, he has created 20 world premieres for the company. In September 1995, Kabaniaev, together with Diablo’s Patricia Tomlinson, won fourth place at the International Ballet Competition in Osaka, Japan. On September 2, 1996, he performed on Jerry Lewis’ nationally-televised Telethon with fellow artist Karen Portner. His ballets are now seen in several ballet companies across the country including, Maximum Dance Company in Florida, which performed “Bach de Trois” in June 1999 to critical acclaim.

**About music composer/sound designer Mike Bemederfer**

Michael Bemederfer began his musical training at the Lab School in Chicago, and continued his studies for several summers at the Interlochen Arts Academy in Michigan. He completed his formal education at the University of California at Berkeley. Bemederfer’s previous work with Diablo Ballet include the score – in collaboration with Gordon Brislawn, Jack Campbell, Darren Driver, Nikolai Kabaniaev and Nick Peck – for the company’s signature ballet *Pas de Quatre et Pas de Six*. With over 100 records to his credit, Bemederfer has served as the sound engineer on several Grammy Award-nominated albums, as well as worked with world-renowned classical and contemporary artists.

**About music composer Jaron Lanier**

Jaron Lanier is a well-known computer scientist, composer, visual artist, and author. As a musician, he has been active in the world of new "classical" music since the late seventies. He is a pianist and a specialist in unusual musical instruments, especially the wind and string instruments of Asia. Lanier has performed with artists as diverse as Philip Glass, Ornette Coleman, and George Clinton. Other recent commissions include a concert-length sequence of works for orchestra and virtual worlds celebrating the 1000th birthday of the city of Wroclaw, Poland; a triple concerto, "The Navigator Tree," commissioned by the National Endowment for the Arts and the American Composers Forum; and a symphony commissioned by the St. Paul Chamber Orchestra.

**About set designer Jean-François Revon**

Jean-François Revon is a native of Paris, where he received a degree in scenic design from the École Supérieur des Arts et Techniques. Since 1989, he has designed over 250 sets, including for the world premiere of “The Tale of the Nutcracker” for Opera San José. He is the resident set designer for Opera Santa Barbara and for the San Francisco Lyric Opera, as well as the Resident Technical Director for West Bay Opera. Revon received the 2002 Shellie Award for Scenic Design for “High Society” for the Diablo Light Opera Company. His previous credits for Diablo Ballet include scenic design for “Amadeus” by Nikolai Kabaniaev and KT Nelson.

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