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# A TOUCH OF CODE

INTERACTIVE  
INSTALLATIONS AND  
EXPERIENCES

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## RAFAEL LOZANO-HEMMER

With an academic background in physical chemistry, Mexico City-born electronic artist, Rafael Lozano-Hemmer, develops interactive installations that explore the intersection between architecture and performance art. Lozano-Hemmer's primary interest is to create platforms for public participation by converting technology such as robotics, computerized surveillance or telematic networks. Inspired by phantasmagoria, carnival and animatronics, his light and shadow artworks are, as he calls it, "anti-monuments for alien agencies." During the last decade Lozano-Hemmer has been commissioned to create works for numerous public events, ranging from the Millennium Celebrations in Mexico City in 1999, to the more recent 2009 50th Anniversary celebrations of the Guggenheim Museum in New York as well as the 2010 Winter Olympics in Vancouver. His kinetic sculptures, responsive environments, video installations, and photographs have been widely exhibited in museums worldwide. Furthermore, Lozano-Hemmer teaches at various universities internationally.

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**PULSE PARK**  
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*Pulse Park* is comprised of a matrix of light beams that flood the central Oval Field at Madison Square Park. Their intensity is modulated entirely by a sensor that measures the heart rate of the participants. Evening visitors to Madison Square Park have their systolic and diastolic activity measured by a sensor sculpture installed at the north end of the Oval Lawn. These biometric rhythms are translated and projected as pulses of narrow-beam light that move sequentially along rows of spotlights placed along the perimeter of the lawn as each consecutive participant makes contact with the sensor. The resulting effect is the visualization of vital signs—the heartbeat, arguably our most symbolic biometric—in an urban scale.



