



# THE MESSAGES OF GRAVITY LUCA POZZI

Grimmuseum is pleased to present *The Messages of Gravity*, the first solo exhibition by Luca Pozzi (1983, IT) in Berlin.

The exhibition unfolds a dialogue between installations, prints and further works. On this occasion Pozzi discloses his brand new project *Oracle* developed over more than two years of scientific, academic and artists collaborations within the fields of Loop Quantum Gravity, String Theory and Non Commutative Geometry. In pursuit of crossing paths and hybrid efforts, *The Messages of Gravity* asserts a fruitful exchange within the fields of knowledge, questioning our realm of reality.

The door-like shape of *Oracle* verges between an imaginative technological monolith and a gateway for multi-linked spaces preserving and exchanging information beyond the linear conception of time. Thanks to a light-sensitive surface and through a detection and transduction system, the physical phenomenon induced by Pozzi, replays itself by remotely following an analog-to-digital-to-analog transmutation. By means of a forthcoming development, the motions loop over on satellite devices marking the screen with a physical and metaphysical presence. The potentiality of *Oracle* lies in a structure capable of generating equilibrium and constant accumulation whilst conserving information accessible "simultaneously" from multiple locations in a sort of cloud computing and nonlinear structure.

In 2011 Pozzi set his action on an earlier prototype of the master device of *Oracle* in the desolate region of the northwestern State of Washington (USA). The video-documentation of this encounter lets out the suspended climate of a silent dialogue withstanding straightforward comprehensions or rather favoring individual interpretations of an autonomous cryptic language. In the last decades

the dichotomy of the general relativity/ quantum mechanics have been bridged resulting in new exiting Quantum Gravity hybridizations. Linking this gap requires an intuitive leap, an acceptance of the existence of a topological structure beyond the energy barrier between classical and experimental physics. With *Oracle* Pozzi tries to pose this question leaving the field free for further considerations.

The relationship between energy leaps, thresholds and elusiveness recurs from the hallways and the blackboards of the Perimeter Institute for Theoretical Physics in Waterloo, CA, throughout Grimmuseum's rooms. Pozzi visited the Institute in 2012. His photographs echo the suspension and the overlapping of different levels in experiencing and questioning reality. Another constant appears on the windows in the corridors of the institute:  $\pi$ , the mathematic abstract constant confronting the outer world.

In *Supersymmetric Partner* Pozzi uses his body to capture a metastable moment - a moment where two different realities join together to be repelled shortly hereafter. Through a series of photographs we see the artist leaping into Paolo Veronese's crowded feasts. The camera's ability to capture a moment in time enables Pozzi to defy gravity and appear in two narratives at the same time.

The series of *Wall String* - composed of hand-bended almond aluminum, magnets and Ping-Pong balls - call to mind the manifold movements and interaction of particles or spin vectors. The stasis of the balls suspended in perfect equilibrium marks a path in a geometric and pre-geometric structure, resembling the way information and data spreads around the world not determined by time and space.

CURATED BY Mario Margani

OPENING: February 28, 2013, 7-11pm

EXHIBITION: February 28 - March 31, 2013

GUIDED TOUR: March 17, 2013, 4pm

TALK: March 03, 2013, 4pm

WITH: Daniele Oriti, Joao Magueijo, Solvej Helweg Ovesen, Paolo Chiasera, Luca Pozzi

with the kind support of  
RIOT STUDIO, Naples

Wed.-Sun. 2-7pm

Fichtestrasse. 2, 10967 Berlin

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*The Messages of Gravity* also features a work that rather literally connects artists and scientists.

Through a quiet language of light Pozzi's *Quantum Gravity Cave*, consisting of photographed handprints fixed with a special UV LED spray technology on a phosphorous surface, depicts and honors many of the personalities he has worked with, including Abhay Ashtekar, Raymond Ashheim, Carlo Rovelli, Bianca Dittrich, Daniele Oriti, Hermann Nicolai, Fotini Markopoulou, Laurent Freidel and Jerry Lewandowski.

**Luca Pozzi** (b. 1983) lives and works between Milan and New York. He is a visual artist and cultural mediator. He conducts, within his own domain of reference, *The Messages of Gravity* program aimed at extending the possible emerging of interdisciplinary correspondences to a network of pure information. By employing different media and new technologies Luca Pozzi comes to realize hybrid installations, characterized by an original use of the force of gravity. Pozzi draws on the theoretical contributions expressed by researchers and artists indirectly involved in his projects. He focuses his research on physics and particularly on T.O.E. (Theory Of Everything): String Theory, Loop quantum Gravity and Noncommutative Geometry. In May 2011 his exhibition *Loops* was part of Loops Congress in the Main Campus of CSIC (Consejo Superior de Investigaciones Científicas) in Madrid and in he was the curator of Biennale Art-Science at C.A.B. (Centre d'Art Bastille) of Grenoble, during the Lyon Biennale 2011.

In 2010 Pozzi attended the Albert Einstein Institute in Golm (Potsdam) and La Faculté de Science of Luminy (Marseille) where he started the *Quantum Gravity Cave Archive*. In 2009 he won the Dena Foundation Residency for Contemporary Art at the Centre International d'accueil et d'échanges de Récollets, Paris. A year later, he attended residencies at PROGRAM (Initiative for Art + Architecture collaborations) in Berlin and in 2011, the Mazama Residency at Sage Canyon Drive, Winthrop, WA, United States. In 2012 he has been guest of the Institute for Gravitational and Cosmos at the Pennsylvania State University and of the Perimeter Institute (Waterloo, Ontario).

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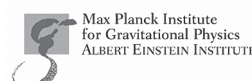
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**1**  
**Doors & Keys**  
2011  
video, 47 min.

**2**  
**Supersymmetric Partner**  
2011  
inkjet print on di-bond 3mm,  
wooden frame  
120x80cm  
courtesy Sarah Krauss

**3**  
**Wall String #09**  
2013  
almond aluminum, neodymium  
magnets, ping-pong balls, wires,  
suckers  
200x200x25cm  
private collection

**4**  
**Classical And Quantum Gravity  
review**

**5**  
**On Perimeter Institute  
blackboard**  
2012  
458x311  
wallpaper

**6**  
**Quantum Gravity Cave Archive**  
2010/2013 (ongoing)  
lambda print on Di-bond and  
plaxiglas  
30 elements  
courtesy Federico Luger Gallery

**7**  
**P.I.**  
2012  
lambda print on aluminum,  
wooden frame  
82x50cm

**8**  
**Oracle**  
2012/2013  
Technological devices,  
pantograph, phosphorous  
surfaces

**6 A**  
**FROM TOP**

- 1 Gregory Vartanov, Jorge Russo, Frank Hellmann
- 2 Raymond Aschheim, Fotini Markopoulou, Isabeau Prémont Schwarz
- 3 Jaum Gomis, Hermann Nicolai, Jorge Pullin
- 4 Philipp Fleig, Eugenio Bianchi, Wolfgang Wieland
- 5 Gianluca Calcagni, Bianca Dittrich, Jean Luc Lehnars

**6 B**  
**FROM TOP**

- 1 Muxin Han, Alejandro Perez, Matteo Smerlac
- 2 Madhavan Varadarajan, Benjamin Assel, Francesca Vidotto
- 3 Carlo Rovelli, Abhay Ashtekar, Daniele Oriti
- 4 Stefan Theisen, Jerry Lewandowski, Guillermo Mena
- 5 Lorenzo Sindoni, Laurent Freidel, Valentin Bonzom

