

Elastic Time

*Written & Directed
by Mark Boulos*



Created and Produced by



Robin Mange & Javier Bello Ruiz

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Created and Produced by Robin Mange and Javier Bello Ruiz (Imverse SA).

Narrated by Tony Stark (Harvard-Smithsonian Center for Astrophysics).

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- Swiss Artists in Labs. Residency funded by the Agalma Foundation for the Laboratory of Cognitive Neuroscience, EPFL
- Smithsonian Artist Research Fellowship
- VCU Arts Dean's Office and Department of Photo and Film
- DART 17

www.imverse.ch/elastictime

www.vimeo.com/imverse/elastictime

www.vimeo.com/imverse/meetartist

Synopsis

Mixed reality interactive documentary about space-time narrated by astronomer Tony Stark (Harvard-Smithsonian Center for Astrophysics). A real-time hologram of your body is integrated into the observatory room. Using the controllers, you bend space and time to your will, creating black-holes, worm-holes and time portals.

Lead Artist



Mark Boulos is a filmmaker and artist working across documentary film, photography, video art, interactive installations, and virtual reality.

He is Assistant Professor of Film at Virginia Commonwealth University School of the Arts (VCU Arts) in Richmond, Virginia, USA.

His first artist monograph was published in 2017 Hatje Cantz, Germany. In 2015, he received the Rome Prize Fellowship at the American Academy in Rome. His solo shows include LAXART, Los Angeles; FACT, Liverpool; MoMA New York; Perez Miami Art Museum; and the Stedelijk Museum in Amsterdam. His group exhibitions include the Geneva Biennale of the Moving Image (2015), the Berlin Biennale (2010), and the Sydney Biennale (2008).

He is represented by Galerie Stigter van Doesburg, Amsterdam.

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Lead Creator



Robin Mange, CTO and co-founder at Imverse SA

Starting to code at the age of 11, Swiss computer graphics enthusiast and expert, Robin has more than 10 years' experience in volumetric rendering and has been working on virtual and mixed reality for the past 5 years.

MSc in Communication Systems by the Swiss Federal Institute of Technology of Lausanne (2008). Previously at the Laboratory of Cognitive Neuroscience at EPFL as a mixed reality engineer in 2013, just before co-founding Imverse SA in 2017.

Lead Producer



Javier Bello Ruiz, CEO and co-founder at Imverse SA

Born in Spain, MSc in Computer Science Engineering by the University of Zaragoza (2010) with focus in HCI and business management, later lab manager at the Laboratory for Cognitive Neuroscience at the Swiss Federal Institute of Technology of Lausanne (2013-2017).

Previously managing VR projects for cognitive neuroscience research about brain mechanisms of body perception, body awareness and self-consciousness, he co-founded Imverse SA in 2017.

Mixed Reality Technology

This interactive documentary has been created using state-of-the-art technology developed at Imverse SA. The volumetric 3D environment has been reconstructed from a single 2D 360° picture using Imverse LiveMaker. The real-time volumetric 3D capture of the user's body and the volumetric recording of the actor is powered by Imverse SA proprietary voxel-based graphics engine.



 **IMVERSE** Imverse SA is a spin-off from EPFL developing software and providing services for photorealistic Mixed Reality content creation.

Our volumetric solutions reduce the time and money spent on production phases of VR movies and Hollywood movies by a factor of 10

This is only possible thanks to our proprietary voxel-based rendering and simulation graphics engine, and our easy and fast process to transform a single 360-degree 2D picture, from any commercial camera, into a 3D room-scale experience with live hologram actors and real-time VFX.

Our vision is to democratize virtual and mixed reality production to allow anyone, without technical skills or big budgets, to create interactive experiences.

www.imverse.ch

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