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## Abstract

Radio technologies have been informing my artistic thinking and practice for over ten years and have allowed me to create some pioneering and influential works in the field of art-science. The two main projects that contributed in shaping my current work are OPTICKS (2009-ongoing [www.opticks.info](http://www.opticks.info)) and COGITO in Space (2013-ongoing [www.cogitoin.space.org](http://www.cogitoin.space.org)). In OPTICKS I explore the poetics of cosmic virtual travel as part of a live audio-visual performance, usually streamed live from the cabin of the Dwingeloo radio telescope, in collaboration with radio operators from around the world.

COGITO in Space is a unique and innovative combination of VR, neuroscience (specifically electroencephalogram or EEG) and radio technologies. The work in progress to create such a combination possible lasted for more than two years and allowed neuroscientists from three different international institutions to work alongside radio operators and radio astronomers inside the cabin of the Dwingeloo radio telescope that became our studio space. The project was presented as a unique embodied filmic experience at the radio telescope in November 2018.

## A short bio

Daniela de Paulis is a former contemporary dancer, a media artist, a licensed radio operator (IUOIDY) and a radio telescope operator. From 2009 to 2019 she has been artist in residence at the Dwingeloo radio telescope, where she has developed the Visual Moonbounce technology, the live performance OPTICKS and a series of innovative projects combining radio technologies with live performance art and neuroscience. Since 2010 she has been collaborating with a number of international organisations, including Astronomers Without Borders, for which she is the founder and director of the arts programme. She is a member of the IAA SETI (Search for Extraterrestrial Intelligence) Permanent Committee. She is the recipient of the Baruch Bloomberg Fellowship in Astrobiology at the Green Bank Observatory where she will develop a new art-science project in 2021. She is a regular host for the Wow! Signal Podcast. She has published her work with the Leonardo MIT Journal, Inderscience, Springer, Cambridge University Press and RIXC amongst others. More information: [www.danieladepaulis.com](http://www.danieladepaulis.com), [www.cogitoin.space.org](http://www.cogitoin.space.org), [www.opticks.info](http://www.opticks.info)

## My art is

Electronic and automated art systems, Performance Art

## What inspired me most, in your art work

Science Fiction books and movies, Evolution of humankind and its cosmic destiny, Space exploration, Moon, Mars, asteroids and beyond, Futurism, Art movements, such as surrealism, Kostantin Tsiolkovsky, Krafft Ehrlicke and other philosophers, Science and Technology, Spirituality, mystic or religious views, Literature.