

Σταύρος Κατσανέβας

Ένας από τους κορυφαίους φυσικούς στον κόσμο



Stavros Katsanevas

A world-class physicist and multifaceted intellectual figure

1953-1996

- Born in Athens,
- Did his undergraduate studies in physics in University of Athens
- Obtained a doctorate "of 3rd cycle" from University of Paris XI and a PhD from the University of Athens and later was a lecturer / associate professor (1982–1996)
- Three years of a postdoc at the Fermi National Laboratory
- Worked at CERN as Fellow, Associate Scientist and Corresponding fellow

1997-2004

- Professor in France at the Université de Lyon I Claude Bernard

2002 – 2012

- Deputy Scientific Director of IN2P3/CNRS for the field of Neutrino and Astroparticle Physics
- 2004 professor at the University Paris VII Denis Diderot (now Université Paris Cité).

2014-2017

- Director of APC succeeding Pierre Binétruy that died prematurely in 2017

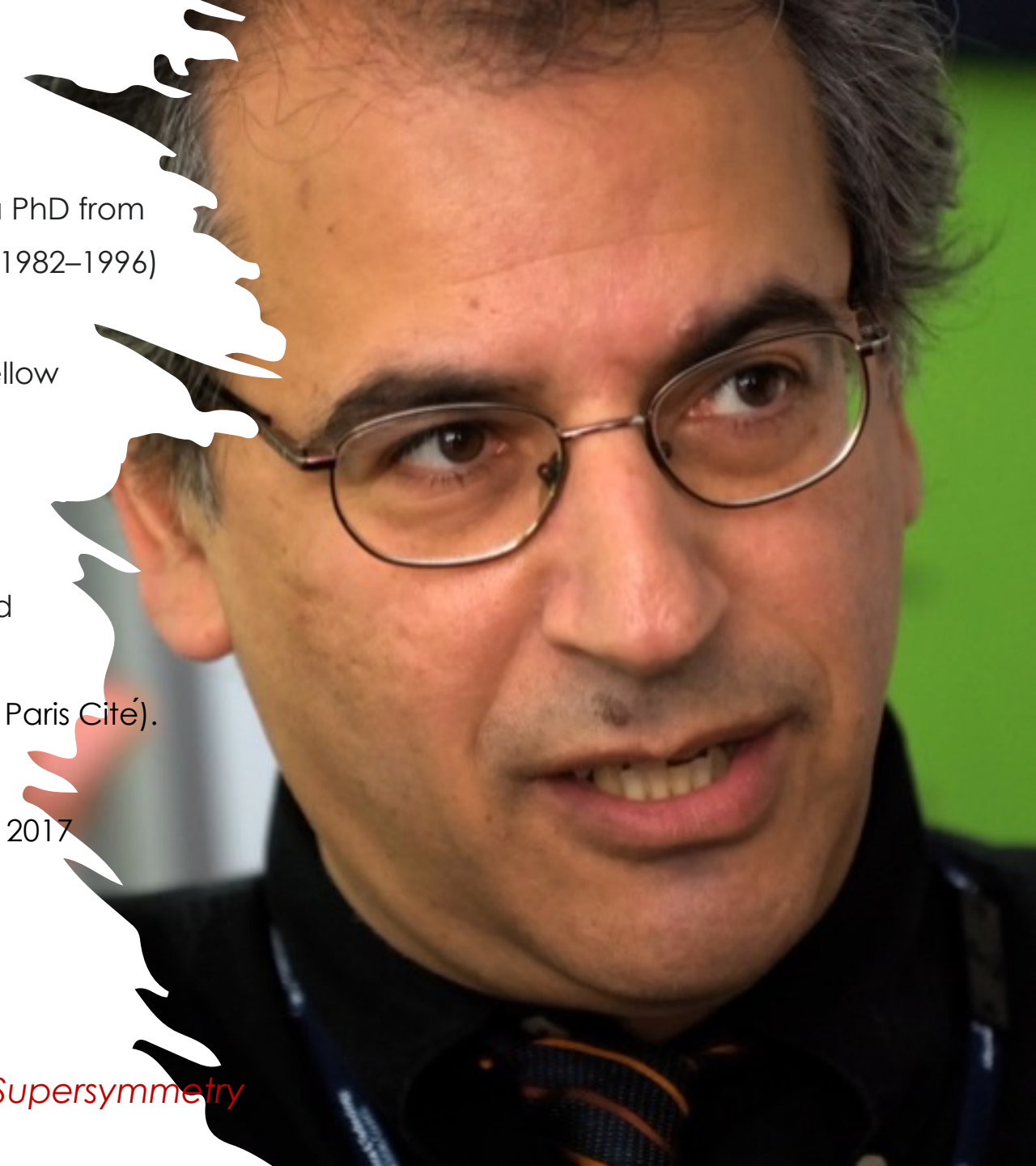
2018-2022

- Director of the European Gravitational Observatory near Pisa

Awards

2000 price of the Academy of Athens for his work related to Supersymmetry

2011 Ordre national du Mérite



As a Deputy Director of IN2P3

- ❑ He coordinated research projects at the national and international scale, linked to major research infrastructures on the ground, underground or in space
- ❑ He was particularly active in the emerging field of multi-messenger astroparticles (neutrinos, cosmic rays, gammas, gravitational waves) and in instrumental techniques for the observation of the cosmos
- ❑ He participated in adapting the Institute's positioning and in raising it to a leading position in the field of astroparticle physics





EPS-HEP 2011 Grenoble

At the press conference, from left to right: Fabio Zwirner, chair of the High Energy Physics Division of EPS; Rolf Heuer, CERN's director-general; Stavros Katsanevas, the deputy director of IN2P3; and Michel Spiro, president of CERN Council.
Image credit: LPSC/Tomas Jezo.





2011

*S. Hawking
visiting
Louvre
museum*

Extremely rich scientific career

- ❑ hundreds of scientific publications he has authored on topics related to research collaborations, experimental techniques, or the conception and design of new research infrastructures such as particle detectors.

Played an essential role in federating teams in several large international collaborative projects

He has been at the origin of various European scientific initiatives in the field of astroparticle physics.

- ❑ Creation of **ASPERA** with the support of European Commission followed by the AstroParticle Physics European Consortium (**ApPEC**), which today gathers about twenty European countries and has promulgated a strategic roadmap for the development of research infrastructures over the period 2017-2026

- ❑ He has played a central role in the definition of a global strategy in the field of astroparticles and on neutrino beams



Astroparticle Physics European Consortium APPEC

European Strategy
2021-2026

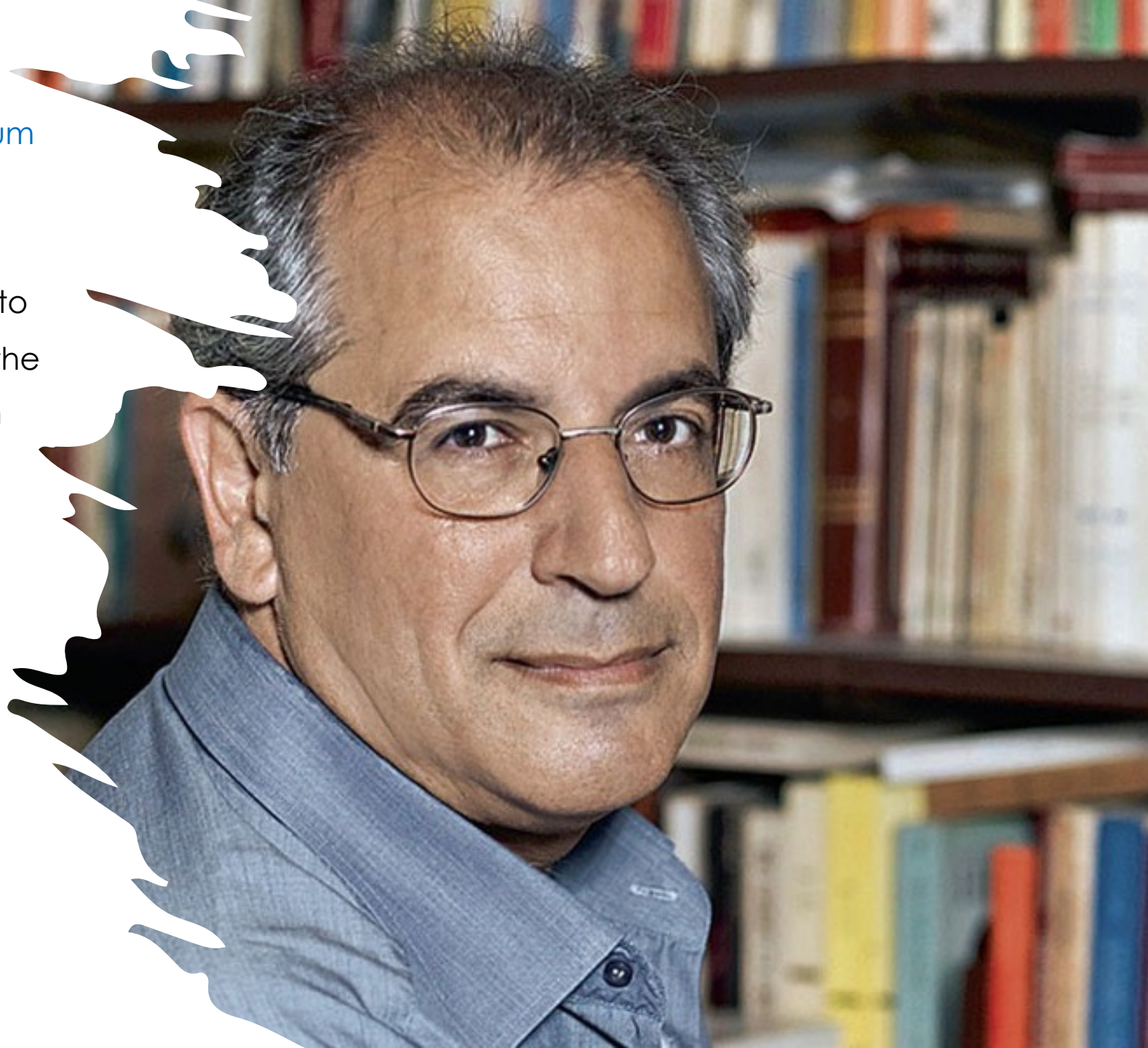


High-energy Gamma Rays

High-energy gamma rays are produced by the decay of particles produced in the atmosphere by cosmic rays. They are detected by ground-based observatories such as MAGIC and H.E.S.S. These observatories consist of large arrays of telescopes that detect the Cherenkov light produced by the decay of high-energy particles in the atmosphere. The detection of high-energy gamma rays provides information about the acceleration and propagation of cosmic rays.

2017-2022 he led, the French-Italian consortium
European Gravitational Observatory

- ❑ He coordinated scientific projects related to the detection of gravitational waves with the very large research infrastructure Virgo, an instrument co-funded by the Centre National de la Recherche Scientifique (CNRS) in France, the Istituto Nazionale di Fisica Nucleare (INFN) in Italy, and the NIKHEF institute in the Netherlands, whose associated international collaboration includes laboratories from five countries



- ❑ He was involved in interdisciplinary research projects, mainly in the field of geosciences

- ❑ 2014 to 2018, he was co-director of the Laboratory of Excellence (LabEx) UnivEarthS, a research program dedicated to the development of interdisciplinary projects in the fields of Earth sciences and physics of the Universe

- ❑ He initiated several actions, including a meeting between ApPEC and the similar structure GEO.8 in geosciences

- ❑ Lately, he was in the forefront of a seismometer project to be installed on the Moon with the aim to better understand our natural satellite and to detect gravitational waves through an optical fiber network



For the 50 years of IN2P3, Lyon, 2021



The poster features a portrait of Stavros Katsanevas on the left, set against a dark blue background with a network of white lines and small circular icons. The text on the right is white and red. The CNRS logo is in the top left corner.

cnrs

L'IN2P3
fête
50 ANS DE PHYSIQUE
DES DEUX INFINIS

Mercredi 14 Avril
à partir de 14h sur Twitch

avec l'intervention de

Stavros Katsanevas
Professeur à l'Université de Paris
Directeur de l'Observatoire
Gravitationnel Européen (ÉGO)

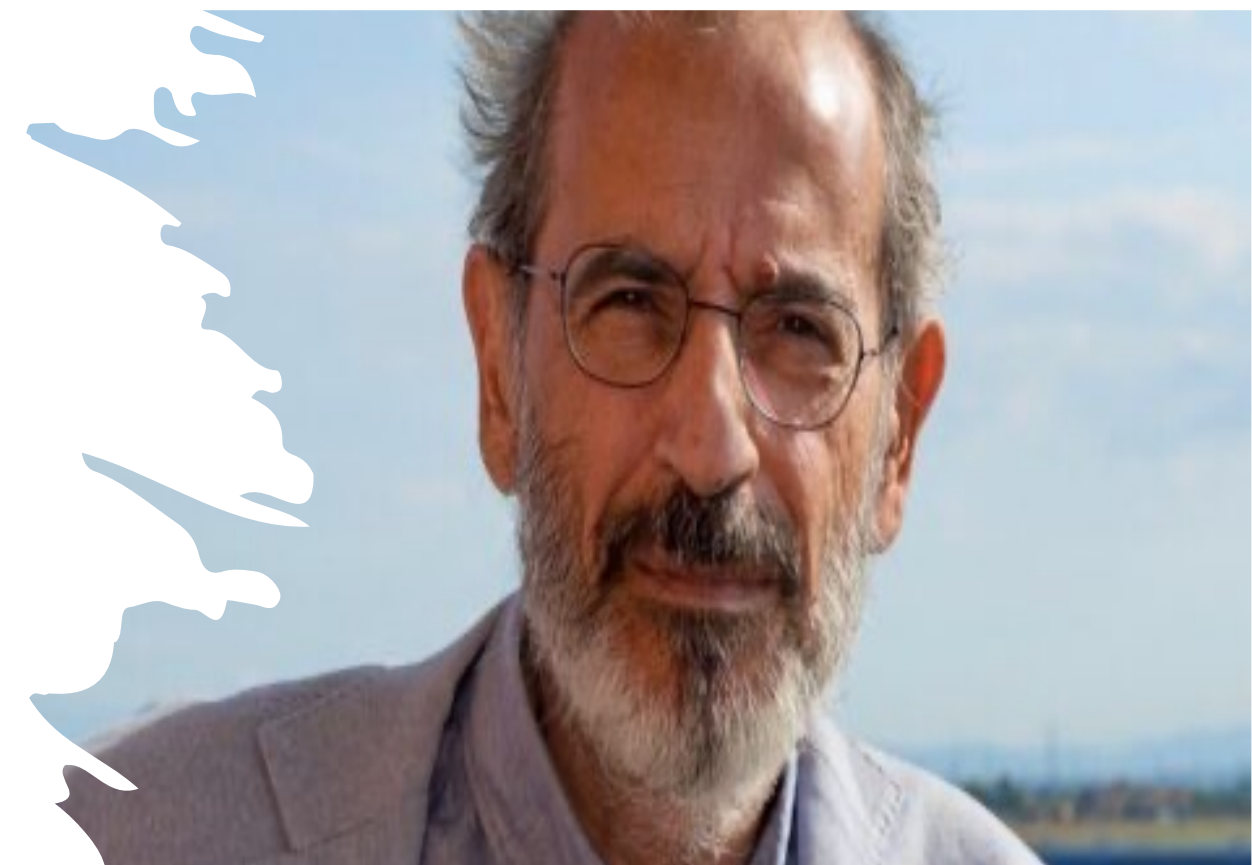
<https://webcast.in2p3.fr/video/50-ans-de-lin2p3-cc-in2p3>

«On n'est plus le même homme après avoir rencontré Stavros»



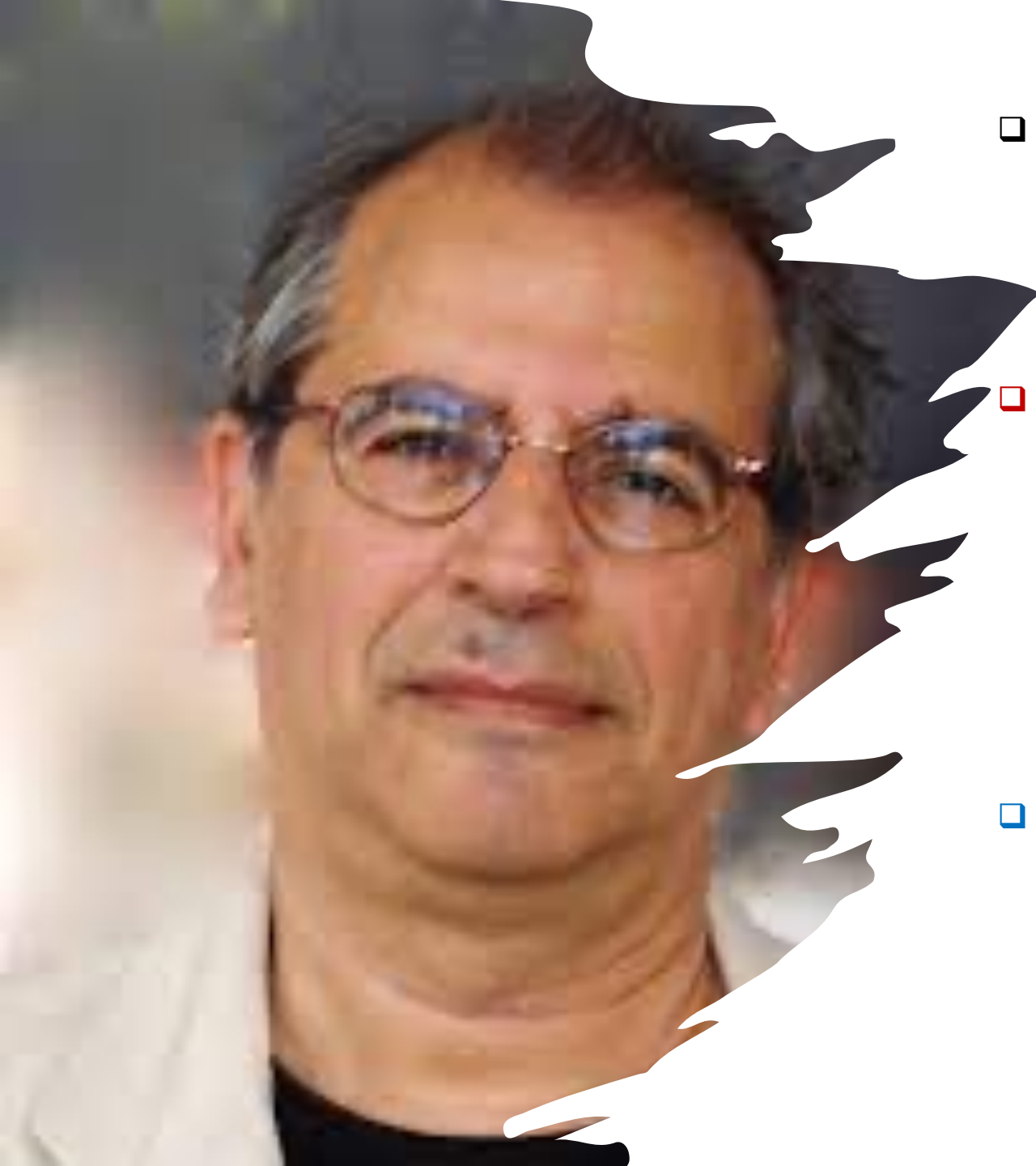
REINFORCE

REsearch INfrastructures FOR Citizens in Europe



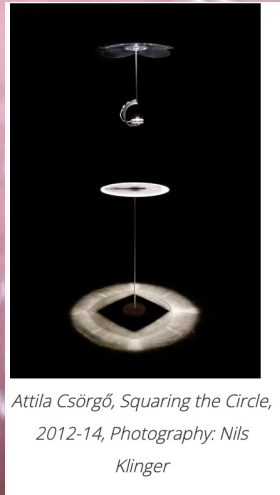
Coordinator of European Project REINFORCE

“Minimising the knowledge gap between science and society through Citizen Science”



- ❑ Stavros was driven by an inexhaustible desire to contribute to the advancement of science by serving, stimulating and animating the community. It was a passion
- ❑ His participation in fundamental, exploratory and applied research projects, as well as his numerous advisory activities in international committees or with governmental entities, have largely contributed to the scientific influence of France abroad
- ❑ **A physicist with an exceptional career, with a great scientific culture, steeped in philosophy, literature and poetry, humanist and universalist, Stavros was also a man of remarkable kindness and generosity**

Art and science:
celebrating 100 years since the the first measurement of cosmic rays by F. Hess.



Attila Csörgő, *Squaring the Circle*,
2012-14, Photography: Nils
Klinger

The artist Attila Csörgő discussing with Stavros Katsanevas June 2012

<https://www.appec.org/news/squaring-the-circle-an-intuitive-solution-of-the-impossible>

November 2019 / Pisa book festival / with Barry Barish

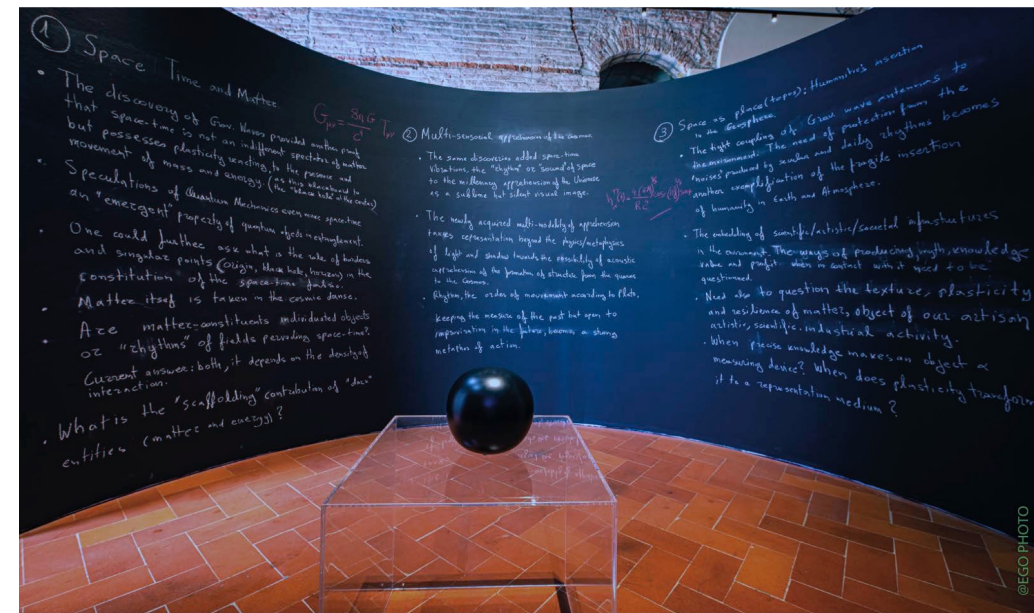


THE RHYTHM OF SPACE FROM MARCONI TO THE GRAVITATIONAL WAVES

Building bridges between disciplines and fields and promoting science to a wide audience

- Since 2015, he was a member of the jury for selection of projects at the interface between the arts and science of the Daniel and Nina Carasso Foundation, as part of the calls for projects "Blending knowledge to better understand the stakes of the contemporary world"
- In 2019, he organized in Pisa the exhibition "The rhythm of Space" at the museo della Grafica, mixing science, art and citizenship in a vast project

<https://youtu.be/QhDpGwQqSoQ>



*"Scientists and artists are the world's noticers.
Their job is simply to notice what other people cannot."
Frank Oppenheimer*

**IL RITMO DELLO SPAZIO | LE RYTHME DE L'ESPACE |
THE RHYTHM OF SPACE**
Arte e scienza da Marconi alle Onde Gravitazionali
A cura di: Stavros Katsanevas



with Princess Maria Elettra Marconi and her son September 2022

*Some
pictures from
Pisa
in 2020 and
2022*



Σταύρος Κατσανέβας

«ένας από τους κορυφαίους φυσικούς στον κόσμο»



The Nobelist poet Elytis had said
“κάνε άλμα πιο γρήγορο από τη φθορά»
“leap faster than withering”
« fais un bond en avant plus vélocé que l'usure”