

# Newsletter TAKE PART IN

## INFN AT ROME SCIENCE FESTIVAL 2023



From April 18 to 23, the Rome Science Festival is back, focusing on the theme "Imaginaries."

Hosted by Auditorium Parco della Musica, the Festival proposes to its audience a rich program of events and activities for schools and families. INFN will be involved in the Festival from the very first day, organizing the inaugural event that will feature the architect Massimiliano Fuksas and Nobel Prize-winning physicist Giorgio Parisi talking about the relationship between art and science for secondary school students. The following day the Sala Petrassi stage will

feature music, voices and digital art in a conference show dedicated to supercomputing and artificial intelligence and their use in fundamental research and applications. Activities for children and families, meanwhile, will focus on elementary particles, the history of the universe and the artistic representation of scientific ideas for the youngest children.

*All the events will be held in Italian.*

## EVENTS

**APRIL 18, 11 AM, Sala Sinopoli, Auditorium Parco della Musica**

### **IDEAS AND IMAGES OF ART AND SCIENCE**

**In dialogue with Massimiliano Fuksas and Giorgio Parisi between physics, architecture and creativity**

Organized by INFN, with Giorgio Parisi, Nobel Prize in Physics 2021, professor at Sapienza University of Rome, INFN researcher, vice president of the Accademia dei Lincei, Massimiliano Fuksas, architect and designer.

Moderated by Edoardo Camurri Journalist, writer and host, artistic performances by Becoming X - Art&Sound Collective, readings by Bianca Mastromonaco, musical accompaniment by Wind Quintet of Perugia Chamber Orchestra.

Find out more: <https://www.auditorium.com/it/event/idee-e-immagini-di-arte-e-di-scienza/>

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**APRIL 19, 9 PM, Sala Petrassi, Auditorium Parco della Musica**

**NINE TIMES SEVEN**

**Artificial intelligence and supercomputers between voices, music and digital art**

Curated by INFN, with Michela Milano, director of ALMA-AI Research Institute on Human-Centric Artificial Intelligence at the University of Bologna, Antonio Zoccoli, president of the National Institute of Nuclear Physics and ICSC Foundation - National Research Center in High Performance Computing, Big Data and Quantum Computing

Musical interventions by Ivan Bert and Mario Conte, free jazz and electronic music, digital art by Limiteazero, readings by Bianca Mastromonaco

*Info and reservations:* <https://www.auditorium.com/it/event/nove-volte-sette-intelligenza-artificiale-e-supercalcolo-tra-voci-musica-e-arte-digitale/> (<https://www.auditorium.com/it/event/nove-volte-sette-intelligenza-artificiale-e-supercalcolo-tra-voci-musica-e-arte-digitale/>)

**APRIL 23, 5:30 PM, Teatro studio, Auditorium Parco della Musica**

**FROM MINE TO THE STARS**

**The Einstein Telescope project: interdisciplinarity, new infrastructures and social impact**

Curated by GARR, INFN, INGV, with Massimo Carboni, Deputy Director and Chief Technical Officer of GARR, Viviana Fafone, INFN Manager of the Advanced Virgo detector, Giulio Selvaggi, Director of INGV National Earthquake Center. Moderated by Roberta Fulci, Journalist and Radio3 Science host.

*Info and reservations:* <https://www.auditorium.com/it/event/dalla-miniera-alle-stelle/> (<https://www.auditorium.com/it/event/dalla-miniera-alle-stelle/>)

## **EDUCATIONAL**

**APRIL 18-20, 9:30 AM -12:30 PM, online with reservations**

**IMAGINING THE INVISIBLE**

*Event reserved for schools from third to fifth grade*

**FROM APRIL 21 TO APRIL 23, 9:30 a.m. to 12:30 p.m., Ludoteca, Auditorium Parco della Musica**

**IMAGES OF ART AND SCIENCE**

*Event for children in the 4-10 age range*

**APRIL 23, 3 PM – 6 PM, Studio 3, Auditorium Parco della Musica**

**THE UNIVERSE GOOSE GAME**

*Event for families and children in the 6-8 age range*

**INFN AT THE XII SCIENCE AND PHILOSOPHY FEST IN FOLIGNO**

**APRIL 21, 4:45 PM., Palazzo Trinci, Sala rossa, Foligno**

**EXPLORERS OF THE UNKNOWN. From Ulysses to the modern scientist.**

With Antonio Zoccoli, INFN president

*Find out more:* <https://www.festascienzafilosofia.it/event/08db2f68-40ca-41e0-8b8d-698b5a49e07a> (<https://www.festascienzafilosofia.it/event/08db2f68-40ca-41e0-8b8d-698b5a49e07a>)

**APRIL 21, 4:45 PM, San Domenico Auditorium, Sala Video, Foligno**

### **THE CERN LABORATORIES: FROM THE ORIGIN OF THE UNIVERSE TO THE INVENTION OF THE WEB**

With Valentina Mariani, researcher at the Department of Physics and Geology, University of Perugia and INFN Perugia.

*Find out more:* <https://www.festascienzafilosofia.it/event/08db2f68-0eaf-41e8-824e-6e3d50e46e71>  
(<https://www.festascienzafilosofia.it/event/08db2f68-0eaf-41e8-824e-6e3d50e46e71>)

**APRIL 22, 3:30 p.m., Palazzo Brunetti Candiotti, Hall of Honor, Foligno**

### **LISTENING TO THE UNIVERSE WITH GRAVITY WAVES: the birth of multimessenger astronomy.**

With Giuseppe Greco, INFN Perugia researcher, and Mateusz Bawaj, researcher at the Department of Physics and Geology, University of Perugia.

*Find out more:* <https://www.festascienzafilosofia.it/event/08db2ee3-e970-44c0-8e12-42eac742a22d>  
(<https://www.festascienzafilosofia.it/event/08db2ee3-e970-44c0-8e12-42eac742a22d>)

**APRIL 22, 3:30 p.m., Auditorium Santa Caterina, Foligno**

### **THE CHALLENGE OF PHYSICS**

With Lucia Votano, INFN director interviewed by Silvia Rosa Brusin, Rai 3 journalist.

*Find out more:* <https://www.festascienzafilosofia.it/event/08db2ee4-6adf-4d16-8e54-106c984cc5f7>  
(<https://www.festascienzafilosofia.it/event/08db2ee4-6adf-4d16-8e54-106c984cc5f7>)

**APRIL 23, 11:30 a.m., Palazzo Trinci, Sala rossa, Foligno**

### **SCIENCE AND INNOVATION, A BIT OF HISTORY**

With Fernando Ferroni, professor at the Gran Sasso Science Institute and INFN researcher, director of the Einstein Telescope project. *Find out more:* <https://www.festascienzafilosofia.it/event/08db2ed6-2103-44e4-8395-f827d151cd69>  
(<https://www.festascienzafilosofia.it/event/08db2ed6-2103-44e4-8395-f827d151cd69>)

# **SPACE (TO THE FUTURE)**

**FROM NOVEMBER 22, Galilei Space, Naples Città della Scienza**

The exhibition curated by Fondazione Idis - Città della Scienza, in collaboration universities and research institutions, dedicated to the exploration of the universe continues. INFN is participating with three interactive multimedia installations dedicated to black holes, dark matter and the expansion of the universe.

*Find out more* (<https://collisioni.infn.it/evento/spazio-al-futuro-mostra-futuroremoto-2022/>)