

# FROM THE BIG SCIENCE BUSINESS FORUM IN TRIESTE TO THE SCIENCE FESTIVAL IN GENOA, A MONTH OF PUBLIC EVENTS

## Big Science Business Forum 2024



### **BSBF Trieste**

**October 1 – 4, Generali Convention Center, Trieste**

From **October 1 to 4**, there will be the third edition of the **Big Science Business Forum (BSBF)**, an event about technologies and innovation and dedicated to the worlds of scientific research and business. The event aims to become the main meeting point between large research infrastructures and industry in Europe.

INFN will participate in various sessions and with a stand where it will showcase the frontiers

of its research, ongoing projects, and collaborations with Italian and international companies. Significant planned investments in key technological areas, such as cryogenics, superconductivity, diagnostic systems, and many others, will also be presented. Three INFN-led NRRP projects will also be in the spotlight at the festival with their own stands: IRIS, for the development of high-temperature superconducting technologies, KM3NeT4RR, for the enhancement of a large submarine infrastructure for neutrino detection, and EUPRAXIA, for the construction in Frascati of a European research infrastructure for the development of an accelerator based on plasma technology.

[Learn more](#)

### **2 October, 10:00 AM**

INFN President Antonio Zoccoli make a speech during the first plenary session at the Forum's opening, together with Gilberto Dialuce (ENEA President), Roberto Ragazzoni (INAF President), Stefano Fabris (Director of the Department of Physical Sciences and Matter Technologies of the CNR) and Caterina Petrillo (President of Area Science Park).

### **2 October, 12:30 PM**

A meeting to present Einstein Telescope, the major project for the construction of the future European gravitational waves' observatory, with Antonio Zoccoli, INFN president, and Stan Bentelvsen, director of NIKHEF, the Dutch National Institute for Subatomic Physics.

### **3 October, 12:00 PM, Italo Svevo Room**

A workshop on the innovative technologies developed as part of the NRRP IRIS project by INFN and ASG superconductors, who are working together to construct a superconducting cable for transporting energy that would avoid energy dispersion.

### **3 October, 2:00 PM, Hall 27 - Illy**

A session dedicated to international research institutes for advanced scientific experimentation, during which Diego Bettoni, a member of the INFN executive board, will speak, illustrating INFN activities straddling research and industry.

## **Genoa Science Festival 2024**

**October 24 – November 3 - Genoa**

From **October 24 to November 3, 2024**, the 22nd edition of the **Genoa Science Festival** will take place, with the keyword *Challenges*. INFN will participate with numerous activities.

### **Conferences, Special Events and Meetings**

**October 25, 9:00 PM, Sala del Maggior Consiglio, Palazzo Ducale**

#### **HOW QUANTUM IS THE COSMOS? Dialogues in music, words and images between paradoxes, realities and possible futures**

A conference-show with **Vincenzo Barone**, theoretical physicist, INFN researcher and professor at the University of Piemonte Orientale, **Paola Verrucchi**, researcher at CNR and INFN, and professor at the University of Florence, and **Massimo Pietroni**, cosmologist and particle physicist, professor at the University of Parma and INFN researcher. The conference will be accompanied by readings performed by the actress **Bianca Mastro Monaco** and music by the jazz duo **Danilo Rossi**, violist, and **Stefano Bezziccheri**, pianist.

Organized by INFN

[Learn more](#)

**October 26, 3:30 PM, Sala del Minor Consiglio, Palazzo Ducale**

#### **GETTING CLOSER TO THE ECHO OF THE BIG BANG. The Challenges and Successes of Gravitational Waves**

With **Annalisa Allocca**, experimental physicist and researcher at INFN and the University Federico II of Naples, **Michele Maggiore**, theoretical physicist at the University of Geneva, **Jacopo Sacquegno**, molecular biologist and visual thinker. Moderated by **Edwige Pezzulli**, astrophysicist and science communicator at INAF.

In collaboration with INFN

[Learn more](#)

**October 26, 9:00 PM, Sala del Maggior Consiglio, Palazzo Ducale**

#### **WOMEN LISTENING TO THE COSMOS. The Multimessenger revolution in voices and music**

With **Pia Astone**, astrophysicist, professor at Sapienza University of Rome and INFN researcher, **Silvia Piranomonte**, astrophysicist and INAF researcher, **Mario Salvucci**, composer and sound designer. Moderated by **Vincenzo Napolano**, head of communications at EGO.

In collaboration with EGO, INFN, and INAF

[Learn more](#)

**October 27th, 5:00 PM, Sala Cisterne of Palazzo Ducale, Palazzo Ducale**

#### **SUPERCOMPUTING AND BIG DATA, NEW TECHNOLOGICAL PARADIGMS FOR NEW RESEARCH HORIZONS.**

With **Antonio Zoccoli**, President of INFN and President of the ICSC Foundation, **Mauro Gilberti**, University of Florence and INFN, **Gloria Guilluy**, INAF, **Elena Tomasi**, FBK, **Luigi Celona**, University of Milan-Bicocca, and **Fabio**

**Landuzzi, IIT.**

Curated by ICSC - National Research Center in High Performance Computing, Big Data and Quantum Computing, INFN, and IIT.

**October 28, 11:00 AM, Sala del Maggior Consiglio, Palazzo Ducale**

**OTHER WORLDS. Exoplanets starring in the Asimov award**

With **Silvano Fuso**, chemist, science communicator, and author, **Giovanni Covone**, astrophysicist and professor at Federico II University of Naples, and **Giovanni Gallucci**, INFN researcher and head of the Asimov Award for the INFN Genoa division

Organized by INFN – Scientific Committee of the Asimov Award

[Learn more](#)

**Exhibitions and Installations**

**October 24 – November 3, Piano Nobile – Loggiato Maggiore, Palazzo Ducale**

**THE REVOLUTION IN A QUANTUM. From the Sun to the Atom**

Exhibition curated by INFN

[Learn more](#)

**October 24 – November 3, Teatro Falcone, Palazzo Reale**

**STARS ON EARTH. Inclusive Paths in Astrophysics Outreach**

Installation curated by INFN – Padova Division, CHETEC – INFRA, Italian Union of the Blind and Visually Impaired, National Agency for the Deaf, Planetarium of Padua, Hollman Foundation, and Universidad Diego Portales

[Learn more](#)

**Workshops**

**October 24 – November 3, Scuola di Robotica**

**THE FIRST TWENTY MINUTES. Challenge between Universes Right After the Big Bang**

Workshop curated by INFN Genoa division and University of Genoa

[Learn more](#)

**October 24 – November 3, Sala delle Grida, Palazzo della Borsa**

**COMPLEXITY, WHAT A CHALLENGE!**

Workshop curated by INFN

[Find out more](#)

**October 24 – November 3, Teatro del Falcone, Palazzo Reale**

**EINSTEIN'S CHALLENGE. Listening to the Cosmos with Gravitational Waves**

Workshop curated by INFN and EGO

[Learn more](#)

*[Find out more about INFN events at the Genoa Festival](#)*

## **FESAV – Science Festival of Altovicentino**

**October 20 – 27, Schio (VI)**

From September 20 to 27, the INFN Padova division will be present, for the third consecutive year, at the Science Festival of Altovicentino.

### **Conference**

**October 26**

#### **STARS ON EARTH. Fusion Processes in Stars and How to Study Them in the Laboratory**

Public lecture with **Antonio Cacioli**, professor and researcher at the University of Padua and INFN, and Denise Piatti, researcher at the University of Padua

### **Escape Room**

**October 26, 2:30 PM - 5:15 PM**

**HEPscape!**

**October 26, 6:30 PM - 9:15 PM**

**Stranger Physics**

**October 27, 10:00 AM - 12:45 PM**

**Journey to the Origin of the Universe**

[Learn more](#)