



45th National Congress
of the Italian Society for the History of Physics and Astronomy
Department of Physics, University of Genova,
9-12 September 2025

Second Announcement

We are happy to announce that the 45th yearly Congress of the *Italian Society for the History of Physics and Astronomy* (SISFA) will be held at the Department of Physics of the University of Genova on **9-12 September 2025**.

General Information and Scientific Program

Organizer: SISFA (Società Italiana degli Storici della Fisica e dell'Astronomia).

Organizing and Scientific Committee: Elena Angeli (Università di Genova); Salvatore Esposito (Università Federico II, Napoli); Ivana Gambaro (Università di Genova); Mauro Gargano (INAF, Osservatorio Astronomico di Capodimonte); Gianluca Gemme (INFN Genova); Enrico Giannetto (Università di Bergamo); Luca Guzzardi (Università di Milano); Salvatore Magazù (Università di Messina); Elisabetta Rossi (Università di Bologna); Silvano Tosi (Università di Genova); Valeria Zanini (INAF, Osservatorio Astronomico di Padova); Filippo Maria Zerbi (INAF, Osservatorio Astronomico di Brera; Università di Genova).

Local Organizing Committee: Elena Angeli (Università di Genova); Gaia Delucchi (Università di Genova); Ivana Gambaro (Università di Genova); Moreno Monticelli (Università di Genova); Francesca Telesio (Università di Genova); Silvano Tosi (Università di Genova); Filippo Maria Zerbi (INAF-Osservatorio Astronomico di Brera; Università di Genova)

Congress official web page: <https://indico.ict.inaf.it/e/genova-2025>

Congress official email address: congresso@sisfa.org

The Congress:

The Meeting is one of a well-established series that SISFA has been organizing every year since its foundation. It aims to promote the research activities in the history of physics and astronomy in Italy, carried out by academic historians and by independent scholars and school teachers who are interested in exploring the role of the history of physics and astronomy in

the present-day teaching of these subjects. The Meeting also provides an opportunity to strengthen existing collaborations and establish new links between SISFA members and those in other scholarly societies, as well as with researchers working in the same and related fields.

Historians of physics and astronomy are invited to participate, as are all scholars and researchers sharing the same kind of interests.

- The Meeting will host both invited talks and oral communications. The official languages will be Italian and English. For more detailed information and updates, please visit the Meeting website: <https://indico.ict.inaf.it/e/genova-2025>
- The *Premio di Laurea SISFA 2025* for the Best Graduate Thesis in the History of Physics and/or History of Astronomy will be awarded during the Congress.

Topics:

Proposals for oral communications should primarily focus on the history of physics and astronomy, and related fields such as mathematics, chemistry and the history of science and culture. Studies focusing on historical instruments and documentary sources in these fields are also relevant to the Congress' aims, as are the applications of the history of physics and astronomy in science education and museum displays.

Thematic sessions:

- **Gian Domenico Cassini: 400 anni dalla nascita / *Gian Domenico Cassini: 400 Years Since His Birth***

Mathematician and astronomer, Gian Domenico Cassini (1625-1712) was born in Perinaldo (IM) and educated at the Collegio Gesuita in Genova. He was a professor of astronomy at the University of Bologna, then an astronomer at the Observatoire Royal in Paris (1669-1712), and one of the most important astronomers of the 17th century. This session celebrates the 400th anniversary of Cassini's birth, focusing on the major developments that led to the birth of modern astronomy in the 16th-17th centuries.

Invited speakers:

Fabrizio Bònoli, Università di Bologna

Dalia Deias, Laboratoire Sciences, philosophie, humanité, Bordeaux /Centre Alexandre Koyré, Paris (TBC)

- **Dalla Vecchia Teoria dei Quanti alla Meccanica Quantistica: / *From the Old Quantum Theory to Quantum Mechanics***

From 1925 onwards, articles appeared in the scientific literature that had a profound influence on the development of Quantum Theory. W. Heisenberg, E. Schrödinger, N. Bohr and other physicists were the godfathers of the new Quantum Mechanics. This session aims to analyze the themes and the interpretations of the QM.

Invited speakers:

Nadia Robotti, Università di Genova

Pierantonio Zanghì, Università di Genova

- **La Fisica e il Mare: conoscere, navigare, esplorare / *Physics and the Sea: Knowing, Sailing, Exploring.***

This session analyses the role of physics in relation to the sea, interweaving historical and contemporary perspectives. We explore various topics from the intertwining of science and art in cartography to the physics of tides, and from the challenge of determining longitude in navigation to the evolution of instruments such as sextants and clocks, up to the KM3NeT, a European telescope equipped with neutrino detectors located at the bottom of the Mediterranean Sea.

Invited speakers:

Joshua Nall, Whipple Museum of the History of Science, University of Cambridge

- **Musei, Archivi e collezioni scientifiche di fisica e astronomia in Italia e nel mondo / *Museums, Archives, and Scientific Collections of Physics and Astronomy in Italy and Abroad***

Historical collections of instruments and documents bear witness to scientific progress, and remain valuable resources for teaching and research. This session will present Italian and foreign historical collections.

- **Dialogo tra storia, didattica e divulgazione in fisica e astronomia / *Dialogue Between History, Teaching and Dissemination in Physics and Astronomy***

This session will explore the links between science education, public engagement and the history of physics and astronomy.

Invited speakers:

Marisa Michelini, Università di Udine

Video shooting:

The talks will be broadcast live. The presentations will be recorded using the online platform, and the related videos will be made available later on our dedicated SISFAMedia YouTube Channel (unless the contributor explicitly refuses).

Special events:

Some special events will be planned during the meeting, such as visits to the “Galata Museo del mare” and the “Giovanni Boato” Museum at the Physics Department of the University of Genova. There will also be a special pre-congress event, during which participants will attend the inauguration of the iconographic exhibition “Marie Curie in Italy”, organized by the Accademia Polacca delle Scienze and hosted by the Berio Civic Library in Genova. Further details will be posted on the meeting website.

Registration, abstract submission, conference fees, deadlines:

Both members and non-members are welcomed to attend the conference, but **non-members who have never previously attended a SISFA conference should also submit their CV** to congresso@sisfa.org. Registration is mandatory to attend the conference. Non-invited speakers must finalize their registration after paying the conference fee. The conference fee includes lunches and coffee breaks and will be used to partially cover other conference costs.

Abstracts of oral communications should be submitted in English. All abstracts will be peer-reviewed on behalf of the SISFA scientific committee. Please see below for more details regarding important dates, abstract submission, conference fees, and registration.

Grants

Three grants of 350 euros each will be available for young scholars under the age of 35.

Applicants must have paid their SISFA 2025 membership fee and submit their abstracts by the deadline. They must also indicate their interest in the grant by checking the appropriate box during the abstract submission process.

Grant recipients whose abstracts are accepted will be required to publish an article in the SISFA proceedings and will be exempt from Conference fees.

Important Dates

- a) **Abstract submission** (**NEW deadline: 25 June 2025**): the abstract should be submitted in English using the form accessible via the 'Submit new abstract' button on the Congress web page.

Abstracts should be no longer than 250 words and should not include a bibliography. Abstracts and the presentation of oral communications should comply with the procedures indicated at: <http://www.sisfa.org/wp-content/uploads/2022/03/Norme-comunicazione-atti-Congresso-SISFA.pdf>

Indico account: The website of the conference is powered by the Indico event management system. To submit an abstract, you will need to use your INDICO or IDEM account. If you do not yet have an account, request it on <https://indico.ict.inaf.it/login> by writing: "For the SISFA Congress" in the form webpage. It will be quickly activated.

- b) **Notification of acceptance** (**13 July 2025**)
- c) **Payment of conference fee** (**deadline 27 July 2025**) applying to the specific situation (see below)
- d) **Registration** (**deadline 27 July 2025**): please register after paying the conference fee by filling in the relevant fields in the "Congress registration" area of the Congress web page:

<https://indico.ict.inaf.it/e/genova-2025>

Amount of conference fees:

Different conference fees apply to 1) SISFA and 2) non SISFA members. Reduced fees are also available for certain categories of participants (see note*).

CONFERENCE FEES	
SISFA members	
Full Conference fee	€ 125
*Reduced Conference fee	€ 45
Non SISFA members	
Full Conference fee	€ 200
*Reduced Conference fee	€ 100
* Reduced Conference fees apply to the following categories: 1) undergraduate students; 2) current MPhil or PhD students; 3) young scholars under the age of 35; 4) current or retired secondary-school teachers.	

SISFA members are intended as those in good standing for the year 2025. Please ensure that your 2025 membership fee has been paid. If you have not already done so, please pay it (payment system and membership fees on the SISFA webpage: <http://www.sisfa.org/i-soci/rinnovo>).

Payment system: By bank transfer using the IBAN code and bank details below. Please remember to write CONGRESS 2025+SURNAME in the comments field (Causale) to allow us to handle your payment properly.:

SISFA (Società Italiana degli Storici della Fisica e della Astronomia)

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