



# The 16th International Symposium on Origin of Matter and Evolution of Galaxies

<https://iop.vast.ac.vn/~omeg16/> | [omeg16@iop.vast.vn](mailto:omeg16@iop.vast.vn)

## Second circular

**Dear Colleagues,**

We are pleased to announce that the **16<sup>th</sup>** International Symposium on **Origin of Matter and Evolution of Galaxies (OMEG16)**, which will be held in **Hanoi, Vietnam**. Due to the Covid-19 pandemic, OMEG16 has been rescheduled to **25 - 28 October 2022**. The symposium will be organized in hybrid mode, **on-site and online**.

OMEG16 belongs to a series of biannual symposium started in 1988, bringing together researchers and students from interdisciplinary fields of nuclear physics, particle physics, astronomy, astrophysics, and earth and planetary physics to address and discuss various questions on the origin of matter and evolution of the universe.

Following the success of previous OMEG symposiums, which recently was held in Beijing, China (2015), Daejeon, Korea (2017), and Kyoto, Japan (2019), OMEG16 will facilitate stimulus exchange through a scientific program that covers most recent experimental and theoretical advances in the following topics:

1. Big Bang Cosmology and Primordial Nucleosynthesis
2. First Generation Stars and Galactic Chemical Evolution
3. Astronomical Observations with Light, X-Ray, Gamma-Ray, and Cosmic-Ray
4. Stellar Evolutions and Hydrostatic Burning Processes
5. Nuclear Matter and Neutron Stars
6. Explosive Stellar Objects and Nuclear Physics
7. Meteorite Analysis and Isotopic Abundance
8. Theoretical Nuclear Physics for Astrophysics
9. Experimental Nuclear Physics for Astrophysics
10. Nuclear Data for Astrophysics and Related Topics
11. Underground Nuclear Astrophysics
12. Next generation RI Beam Facilities for Nuclear Astrophysics

## Venue

About 30 minutes by taxi/bus from the Noi Bai International Airport (HAN) to the center of Hanoi. The symposium venue will be informed in the next circular.

## Proceedings

All accepted papers will be published in “**Communications in Physics**”,  
(ISSN 0886 – 3166, founded by the Vietnam Academy of Science and Technology)

The journal has published quarterly in English since 1991 on new results of theoretical and experimental research works in all fields of physics.

## Important dates

Call for abstract: April 15<sup>th</sup>, 2022

Deadline of abstract submission: July 31<sup>st</sup>, 2022

Registration: April 15<sup>th</sup> – October 24<sup>th</sup>, 2022

## Abstract submission guideline

Please follow the instructions here:

<https://iop.vast.ac.vn/~omeg16/registration/>

and fill the submission form with the title, author list, content (about 300 words), main topic, and contribution type (oral/poster).

## Website and Contact address

OMEG16 Website: <https://iop.vast.ac.vn/~omeg16/>

Email: [omeg16@iop.vast.vn](mailto:omeg16@iop.vast.vn)

## Symposium fee

Will be informed later.

## Committees

### International Advisory Committee

Wako Aoki (NAOJ, Japan)

Tim Beers (Nat'l Optical Astronomical Observatory, USA)

Carlos Bertulani (Texas A&M Univ., USA)

Alain Coc (Paris-Sud Univ., France)

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Philip Woods (Univ. Edinburgh, UK)  
Hidetoshi Yamaguchi (CNS, Univ. Tokyo, Japan)

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Pham Ngoc Diep (National Space Center, Vietnam)

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## Hosts and Sponsors

- Vietnam Academy of Science and Technology
- Institute of Physics
- International Center of Physics
- Center for Nuclear Study, the University of Tokyo
- The National Foundation for Science and Technology Development
- Faculty of Physics, VNU University of Science, Vietnam National University



# The 16<sup>th</sup> International Symposium on Origin of Matter and Evolution of Galaxies

October 25 – 28, 2022

Hanoi City, Vietnam

## OMEG16

### Website and Contact

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### Main topics

- Big Bang Cosmology and Primordial Nucleosynthesis
- First Generation Stars and Galactic Chemical Evolution
- Astronomical Observations with Light, X-ray,  $\gamma$ -ray & Cosmic-ray
- Stellar Evolutions and Hydrostatic Burning Processes
- Nuclear Matter and Neutron Stars
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Nguyen Ngoc Duy (Sungkyunkwan Univ., Korea) – Scientific secretary



The high-resolution poster can be downloaded from the website: <https://iop.vast.ac.vn/~omeg16/>