

Keynote Speakers

1. Yoshitada Morikawa (Quantum Simulation, Osaka University)
2. Hawoong Jeong (Complex System, KAIST)
3. Akifumi Yamaji (Nuclear Energy, Waseda University)
4. Leong Chuan Kwek (Quantum Computing, NIE Singapore)
5. Mikrajuddin Abdullah (Nano Material, ITB)
6. Taufiq Hidayat (Stellar Physics, ITB)

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2. Mitsuru Uesaka (The University of Tokyo, Japan)
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6. H. Mehmet Sahin (Gazi University, Turkey)
7. Yong-Hoon Cho (KAIST, Korea)
8. Yong-Hee Lee (KAIST, Korea)
9. Hawoong Jeong (KAIST, Korea)
10. Abdullah Al Khalewi (KACST, KSA)
11. Ibrahim Dincer (UOIT, Canada)
12. Saffa Riffat (University of Nottingham, UK)
13. Yang Hongxing (Hong Kong Polytechnic University, Hong Kong)
14. Zaki Suud (ITB, Indonesia)
15. Khairurrijal (ITB, Indonesia)
16. Mikrajuddin (ITB, Indonesia)
17. Umar Fauzi (ITB, Indonesia)
18. Doddy Sutarno (ITB, Indonesia)
19. Mitra Djamal (ITB, Indonesia)
20. Freddy P Zen (ITB, Indonesia)
21. A. Agung Nugroho (ITB, Indonesia)
22. R Bagus Endar Bahtiar (ITB, Indonesia)
23. Terry Mart (UI, Indonesia)
24. Agus Purwanto (ITS, Indonesia)
25. Husin Alatas (IPB, Indonesia)
26. Evvy Kartini (BATAN, Indonesia)



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Irfan Aditya

Khairul Basar

Khairurrijal

Novitrian

Nur Asyiah

Sidik Permana

Sparisoma Viridi

Triati Wungu

Preface: The 6th Asian Physics Symposium 2015 (APS 2015)

The 6th Asian Physics Symposium 2015 (APS 2015) is organized by the Physics Department, Faculty of Mathematics and Natural Sciences, Bandung Institute of Technology, in collaboration with HFI (Indonesian Physical Society), PAPS (Physics and Applied Physics Society of Indonesia), HANI (Indonesian Nuclear Scientist Society), HRMI (Indonesian Material Research Society), HAGI (Indonesian Geophysicist Society) – West Java Chapter, and HFMBI (Indonesian Medical Physicist and Biophysicist Society).

APS 2015 is aimed at providing a forum of scientific communication and interaction among distinguished scientists working in physics and its related fields. In this scientific event the latest research will be presented, and state-of-the-art developments in the field discussed, to help to guide our future research directions. It is also designed to offer the opportunity for young Indonesian scientists and students to make direct contacts with well-known scientists abroad and thereby foster the existing research collaborations and extend international research networking for the future.

The scope of research presented and discussed in this symposium covers theoretical high energy physics, materials sciences and technology, biophysics and medical physics, nuclear science and engineering, earth and planetary sciences, computational physics, instrumentation and measurement, physics education, and interdisciplinary physics.

The program of APS 2016 features 6 invited talks and 208 contributed oral presentations, which come from 7 different countries: Japan, South Korea, Singapore, Malaysia, Iraq, Ethiopia, and Indonesia. All papers have been reviewed after they are presented in this event. Selected papers are published in this Institute of Physics (IoP) Conference Series.

Finally, I would like to express my sincere appreciation to all of authors for their valuable contributions and also to the members of the committee for their excellent work in preparing and finalizing this document.

Bandung, June 2016

Chairman of APS 2015,
Abdul Waris