



International Conference on Advancement in Science & Technology (ICAST- 2018)



3 – 4 September, 2018

at

Visva-Bharati
(A Central University &
An Institute of National Importance)
Santiniketan, West Bengal, INDIA



“Visva-Bharati represents India where she has her wealth of mind which is for all. Visva-Bharati acknowledges India's obligation to offer to others the hospitality of her best culture and India's right to accept from others their best.” - Rabindranath Tagore

Organized by

Indian JSPS Alumni Association (IJAA)

in association with

Department of Physics

Visva-Bharati, Santiniketan, India

Sponsored by

Japan Society for the Promotion of Science (JSPS)

&

Visva-Bharati

Conference website: www.uttarayan.net

It gives us immense pleasure to invite you to participate in the **International Conference on Advancement in Science & Technology (ICAST- 2018)** to be held during 3-4 September, 2018 at Visva-Bharati, Santiniketan, India organized by Indian JSPS Alumni Association in association with the Department of Physics, Visva-Bharati. Distinguished scientists from various fields of science and technology will be sharing their work in this conference. Please be a part of **ICAST-2018** by sending your scientific contributions. We look forward to have the pleasure of your company during the conference.

Organizers

Patrons: Prof. Sabujkoli Sen, Vice-Chancellor, Visva-Bharati
Dr. Susumu Satomi, President, JSPS

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Institute of Science, Visva-Bharati

Co-Chairperson: Prof. D. Sakthi Kumar, Chairman, IJAA

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Prof. Sali Augustine, Vice President, Sophia University, Japan
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Prof. Ashutosh Sharma, Secretary, Department of Science & Technology,
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Prof. B. P. Mandal, Banaras Hindu University, Varanasi
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(Department of Physics, Visva-Bharati)

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Dr. A. Saha	Dr. R. Singha
Dr. B. Raychaudhuri	Dr. S. K. Majee

Organizing Secretary: Prof. Ashis Bhattacharjee, Department of Physics,
Visva-Bharati (General Secretary, IJAA-East Chapter)

Treasurer: Dr. Subhasish Roy, Department of Physics, Visva-Bharati

Scope of the Conference

The themes of interest include the following but are not strictly limited to:

- ❖ Advanced Experimental Techniques
- ❖ Agricultural Science
- ❖ Biotechnology
- ❖ Chemical Science
- ❖ Engineering
- ❖ Environmental Science
- ❖ Life Science
- ❖ Materials Science
- ❖ Mathematical Science
- ❖ Medical Science
- ❖ Nanoscience and Nanotechnology
- ❖ Physical Science

Call for Papers

Original one-page abstract (A4-size with 2.5 cm margin on all sides, single column, Times New Roman font, font size 12, 1.5 line spacing written in MS WORD) should be submitted at icast-2018@visva-bharati.ac.in before **31st July, 2018 (only after registration)**. The participants are requested to mention the theme, title of the paper along with their name, affiliation, and contact details. For details see conference website.

No abstract will be accepted without prior registration. Acceptance of the abstract will be communicated as early as possible.

Registration

All participants of ICAST-2018 should get registered in advance by submitting **Registration Form** ONLINE along with the payment of registration fee by electronic transfer. Details are available in the website. **No On-Spot registration will be allowed.**

Registration Fee

Indian Delegates

- IJAA Member:
3000 INR up to 30th June, 2018
3500 INR with late fee up to 31st July, 2018
(IJAA Life-Members will get a discount of INR 500)
- Non-IJAA Faculty / Researcher:
3500 INR up to 30th June, 2018
4000 INR with late fee up to 31st July, 2018
- Student:
2000 INR up to 30th June, 2018
2500 INR with late fee up to 31st July, 2018
- Accompanying Person:
2000 INR up to 30th June, 2018
2500 INR with late fee up to 31st July, 2018

Foreign Delegates

- Scientists/ Researcher (Non-SAARC Countries) up to 30th June, 2018:
US\$200
- Scientists/ Researchers (SAARC Countries) up to 30th June, 2018:
US\$80

No Registration will be allowed after 31st July, 2018

Accommodation

Accommodation to the registered participants will be provided in the guest houses of the university / hotels located in the town around Santiniketan. **Request for Accommodation** may be made through the conference website before 31st July, 2018 along with advance payment for the entire duration of stay as per choice of the accommodation. Details are available in the website.

Travel Assistance

The participants are requested to make their own travel arrangements. However, Sleeper Class Train Fare may be provided to the student participants travelling by train more than 500 kms. on production of documents. Request for financial assistance should be forwarded through the Head of the department/institution to the Organizing Secretary, ICAST-2018 by email before 31st July, 2018.

Cancellation Policy

Cancellations can only be made via e-mail to
icast-2018@visva-bharati.ac.in

Cancellation until 31st July, 2018: **Full refund, excluding 500 INR as administrative charge.**

Cancellation after 31st July, 2018: **No refund.**

Payment Details

The payment towards the Registration Fee and Accommodation Charges has to be made by **electronic transfer only**. For details, see website.

Visva-Bharati, Santiniketan

In 1863, Debendranath Thakur, father of Nobel Laureate Rabindranath Thakur (popularly known as Tagore) purchased seven-acre plot of land at the site of the present institution. Soon a house was built in known as *Santiniketan* (the abode of peace). Gradually the entire area came to be known as Santiniketan. In 1901, Tagore setup a *Brahmacharyasrama*, a school for children. He sought to realize the intrinsic values of the ancient education in India. Simplicity was a cardinal principle. Classes were held in open air in the shade of trees where man and nature entered into an immediate harmonious relationship. He dreamt of designing the educational system in such a manner that would act as a centre for religious, national and global harmony. Thus, Tagore's Santiniketan school evolved into an unconventional university, called Visva-Bharati. Founded in 1921, Visva-Bharati was declared to be a Central University and an Institution of National Importance in 1951. Visva-Bharati, since inception, is a pilgrimage for education and culture. ([website: www.visva-bharati.ac.in](http://www.visva-bharati.ac.in))

Indo-Japan Relation & Visva-Bharati

Nippon Bhavana, an institute in Visva-Bharati is the centre for fostering Indo-Japanese relations, contact and exchange. It has a library consisting of books, mostly in Japanese written on and about Japanese life and culture, Indo-Japanese relation, etc. Japan Foundation makes a regular contribution of books. Nippon Bhavana, in collaboration with Japan Foundation, invites Visiting Scholars, Artists, Scientists from Japan, arranges seminars and symposia on Japanese culture and Indo-Japanese cultural relations, arranges Indo-Japanese cultural functions, sends academic and cultural troupes to Japan and receives academic and cultural troupes from Japan, organises Indo-Japanese festivals. Nippon-Bhavana has been helping Visva-Bharati to enrich its international character as well as to strengthen the cultural bond between Japan and India.

Department of Physics, Visva-Bharati

The Department of Physics, Visva-Bharati was established in 1963 with a provision for teaching at the B.Sc. Honours level. Subsequently, the M.Sc. teaching programme was started in 1968 along with the efforts to develop research facilities in Physics. Initially the department laid more emphasis on theoretical research due to its constraints. Gradually, with the support from different funding agencies, research works on theoretical as well as experimental physics had been started on a wide range of fields (e.g., astrophysics, cosmology, condensed matter physics, materials science, mathematical physics, microwave electronics, nanoscience, nuclear physics, particle physics, quantum mechanics, quantum optics). The department is an associate centre of the Theoretical Physics Seminar Circuit. Some of the faculty members are having research collaborations with institutions within the country as well as abroad.

Indian JSPS Alumni Association

The Indian JSPS Alumni Association (IJAA) was founded in the year 2006, with the objectives to promote and advance scientific exchange, research and cultural collaboration between India and Japan, to encourage collaborative research amongst the JSPS Fellows and their host professors as well as to provide a common platform of the Indian JSPS Fellows. Among its several scientific activities, IJAA organizes an international conference every year in the emerging fields of science and technology under the sponsorship of JSPS. The present conference will be the 9th in series organized by IJAA. For more details: www.indianjpsalumni.org

Japan Society for the Promotion of Science

The Japan Society for the Promotion of Science (JSPS) is an independent administrative institution for the purpose of contributing to the advancement of science. JSPS plays a pivotal role in the administration of a wide spectrum of Japan's scientific and academic programs. While working within the broad framework of government policies established to promote scientific advancement, JSPS carries out its programs in a manner flexible to the needs of the participating scientists. Its main functions are - to foster young researchers, to promote international scientific cooperation, to award Grants-in-Aid for scientific Research, to implement the Research for the Future Program, to support scientific cooperation between the academic community and industry, and to collect and distribute information on scientific research activities. For more details: www.jps.go.jp/english/

Important Dates

Registration	Starts on: 1 st May, 2018 Ends on: 30 th June, 2018 with late fee: 31 st July, 2018
Submission of Abstract	Starts on: 1 st May, 2018 Ends on: 31 st July, 2018
Request for Accommodation	Starts on: 1 st May, 2018 Ends on: 31 st July, 2018

Contact

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Conference website: www.uttarayan.net

