



**A REPORT ON**

**IAPT NATIONAL STUDENT SYMPOSIUM ON PHYSICS  
(IAPT NSSP 2013-2019)**

**DEPARTMENT OF PHYSICS,  
PANJAB UNIVERSITY, CHANDIGARH**

# 1<sup>st</sup> IAPT NATIONAL STUDENT SYMPOSIUM ON PHYSICS

1<sup>st</sup> IAPT NSSP was organised from 25<sup>th</sup> to 27<sup>th</sup> February, 2013 at the Department of Physics, Panjab University. Though the program was organised for the first time, we were happy to see such a diverse participation of students from all over the country.

The Program consisted of:

- 1) Oral Presentation
- 2) Poster Presentation
- 3) Talks by eminent Scientists
- 4) Visits to various Laboratories

Total Number of Participants	Number of Oral Presentations	Number of Poster Presentations
95	13	22

A total of 95 students from 13 different states participated in the program. Boarding and lodging of the Participants were also taken care of. Some of the presented research works were also published in IAPT's Student Journal of Physics.

Booklet of this year's program can be found [HERE](#)

## **INVITED SPEAKERS**

- Prof. S.D. Mahanti, Michigan State University, USA
- Prof. Arun K. Grover, Panjab University, Chandigarh
- Prof. L Satpathy, Institute of Physics, Bhubaneshwar
- Prof. Sandeep Sahijpal, Panjab University, Chandigarh
- Prof. Ajit Mohan Srivastav, Institute of Physics, Bhubaneshwar
- Prof. Sudipta Mukherji, Institute of Physics, Bhubaneshwar

## **2<sup>nd</sup>IAPT NATIONAL STUDENT SYMPOSIUM ON PHYSICS**

2<sup>nd</sup>IAPT NSSP was organised from 17<sup>th</sup> to 19<sup>th</sup>January, 2014 at the Department of Physics, Panjab University. This year again we were happy to see enthusiastic students coming from all over the country.

The Program consisted of:

- 1) Oral Presentation
- 2) Poster Presentation
- 3) Talks by eminent Scientists
- 4) Visits to various Laboratories

Total Number of Participants	Number of Oral Presentations	Number of Poster Presentations
118	18	43

A total of 118 students from 14 different states participated in the program. Boarding and lodging of the Participants were also taken care of. Some of the presented research works were also published in IAPT's Student Journal of Physics.

Booklet of this year's program can be found [HERE](#)

### **INVITED SPEAKERS**

- Prof. H. C. Pradhan, Tata Institute of Fundamental Research, Mumbai
- Prof. P. K. Ahluwalia, Himachal Pradesh University, Shimla
- Dr. Kavita Dorai, Indian Institute of Science Education and Research, Mohali
- Prof. Sandeep Sahijpal, Panjab University, Chandigarh
- Prof. Sudipta Mukherji, Institute of Physics, Bhubaneshwar
- Dr. Sonali Bhatnagar, Dayalbagh Educational Institute, Agra
- Prof. Sudheshna Sinha, Indian Institute of Science Education and Research, Mohali
- Dr. Harvinder Kaur Jassal, Indian Institute of Science Education and Research, Mohali

## **3<sup>rd</sup> IAPT NATIONAL STUDENT SYMPOSIUM ON PHYSICS**

3<sup>rd</sup> IAPT NSSP was organised from 17<sup>th</sup> to 19<sup>th</sup> September, 2015 at the Department of Physics, Panjab University. This year again we were happy to see enthusiastic students coming from all over the country.

The Program consisted of:

- 1) Oral Presentation
- 2) Poster Presentation
- 3) Talks by eminent Scientists
- 4) Visits to various Laboratories

Total Number of Participants	Number of Oral Presentations	Number of Poster Presentations
116	25	42

A total of 116 students from 12 different states participated in the program. Boarding and lodging of the Participants were also taken care of. Some of the presented research works were also published in IAPT's Student Journal of Physics.

Booklet of this year's program can be found [HERE](#)

### **INVITED SPEAKERS**

- Prof. D. P. Roy, Homi Bhabha Centre for Science Education, Mumbai
- Prof. Prasanta K Panigrahi, Indian Institute of Science Education and Research, Kolkata
- Prof. Sudipta Mukherji, Institute of Physics, Bhubaneshwar

## 4<sup>th</sup> IAPT NATIONAL STUDENT SYMPOSIUM ON PHYSICS

4<sup>th</sup>IAPT NSSP was organised from 4<sup>th</sup> to 6<sup>th</sup>November, 2016 at the Department of Physics, Panjab University. This year again we were happy to see enthusiastic students coming from all over the country.

The Program consisted of:

- 1) Oral Presentation
- 2) Poster Presentation
- 3) Talks by eminent Scientists
- 4) Visits to various Laboratories

Total Number of Participants	Number of Oral Presentations	Number of Poster Presentations
109	22	29

A total of 109 students from 12 different states participated in the program. Boarding and lodging of the Participants were also taken care of. Some of the presented research works were also published in IAPT's Student Journal of Physics.

Booklet of this year's program can be found [HERE](#)

### **INVITED SPEAKERS**

- Prof. Ajit Mohanty, Saha Institute of Nuclear Physics, Kolkata
- Prof. Arvind, Indian Institute of Science Education and Research, Mohali
- Dr. Bhupati Chakrabarti, Department of Physics, City College, Kolkata
- Mr. Manpreet Singh, Group Director (Photonics), Terminal Ballistic Research Lab, DRDO
- Mr. Prince Sharma, Terminal Ballistics Research Laboratory, Chandigarh, India

## 5<sup>th</sup> IAPT NATIONAL STUDENT SYMPOSIUM ON PHYSICS

5<sup>th</sup> IAPT NSSP was organised from 10<sup>th</sup> to 12<sup>th</sup> November, 2017 at the Department of Physics, Panjab University. This year again we were happy to see enthusiastic students coming from all over the country.

The Program consisted of:

- 1) Oral Presentation
- 2) Poster Presentation
- 3) Talks by eminent Scientists
- 4) Visits to various Laboratories

Total Number of Participants	Number of Oral Presentations	Number of Poster Presentations
111	29	34

A total of 111 students from 12 different states participated in the program. Boarding and lodging of the Participants were also taken care of. Some of the presented research works were also published in IAPT's Student Journal of Physics.

Booklet of this year's program can be found [HERE](#)

### **INVITED SPEAKERS**

- Prof. Yeshwant R. Waghmare, Indian Institute of Technology, Kanpur
- Prof. J. S. Bagla, Indian Institute of Science Education and Research, Mohali

## 6<sup>th</sup> IAPT NATIONAL STUDENT SYMPOSIUM ON PHYSICS

6<sup>th</sup> IAPT NSSP was organised from 4<sup>th</sup> to 6<sup>th</sup> November, 2018 at the Department of Physics, Panjab University. This year again we were happy to see enthusiastic students coming from all over the country.

The Program consisted of:

- 1) Oral Presentation
- 2) Poster Presentation
- 3) Talks by eminent Scientists
- 4) Visits to various Laboratories

Total Number of Participants	Number of Oral Presentations	Number of Poster Presentations
95	22	34

A total of 95 students from 12 different states participated in the program. Boarding and lodging of the Participants were also taken care of. Some of the presented research works were also published in IAPT's Student Journal of Physics.

Booklet of this year's program can be found [HERE](#)

### **INVITED SPEAKERS**

- Prof. Sandeep Sahijpal, Panjab University, Chandigarh
- Prof. R. G. Pillay, Indian Institute of Technology, Ropar

## 7<sup>th</sup> IAPT NATIONAL STUDENT SYMPOSIUM ON PHYSICS

7<sup>th</sup> IAPT NSSP was organised from 3<sup>rd</sup> to 5<sup>th</sup> October, 2019 at the Department of Physics, Panjab University. This year again we were happy to see enthusiastic students coming from all over the country.

The Program consisted of:

- 1) Oral Presentation
- 2) Poster Presentation
- 3) Talks by eminent Scientists
- 4) Visits to various Laboratories

Total Number of Participants	Number of Oral Presentations	Number of Poster Presentations
128	19	50

A total of 128 students from 17 different states participated in the program. We were also happy to see international Participants from Budapest, Hungary. Boarding and lodging of the Participants were also taken care of. Some of the presented research works were also published in IAPT's Student Journal of Physics.

Booklet of this year's program can be found [HERE](#)

### **INVITED SPEAKERS**

- Prof. Arun K. Grover, Panjab Engineering College (PEC), Chandigarh
- Prof. Sandeep Sahijpal, Panjab University, Chandigarh
- Prof. Arvind, Indian Institute of Science Education and Research, Mohali
- Prof. Prasanta K Panigrahi, Indian Institute of Science Education and Research, Kolkata
- Dr. Vikram Sagar, Panjab University, Chandigarh
- Prof. Baljinder Singh, PGIMER, Chandigarh
- Mr. M.S. Marwaha, SGGS College, Chandigarh