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## Local Organizing Committee

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<b>Convener</b>	N.L. Singh
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## The M. S. University of Baroda

The **Maharaja Sayajirao University of Baroda** is one of the premier universities of India located in the city of Baroda in Gujarat State. It is the only university in Gujarat whose medium of instruction is English for all its courses. The Department is one of the best centers of teaching and research in Physics in the western India. It has good experimental facilities which have been acquired through the DRS, COSIST and a number of research projects from various funding agencies in the field of Condensed Matter Physics, Nuclear Physics, Molecular Spectroscopy, Particle Physics, Relativistic Astrophysics, Astronomy and Modern Cosmology.

## About Vadodara

Vadodara, it was earlier known as Baroda, is situated on the bank of river Vishwamitri. Vadodara was the capital of the princely state of Gaekwad's and is now known as the cultural and industrial capital of Gujarat. The name Vadodara came from its original name Vadapatra, because of the abundance of banyan trees found on the banks of the river Vishwamitri.

Situated in the south of Ahmedabad, Vadodara is famous for its palaces, parks, temples and museums. Vadodara is known as the garden city of Gujarat. It is a favorite spot for tourist. The main attractions are Laxmi Vilas palace, Baroda Museum and Art Gallery, Fateh Singh Museum, EME Temple, Maharishi Aurobindo Ghosh residence, Ajwa garden etc. In the centre of Vadodara town is a huge lake called Sursagar.

## Seventeenth National Symposium on Solid State Nuclear Track Detectors and Their Applications (SSNTD-17)

(17-19, October, 2011)

Organized by



Department of Physics  
Faculty of Science  
The M. S. University of Baroda  
Vadodara – 390002

In collaboration with



Nuclear Track Society of India

## About Symposium

The science of solid state nuclear track detectors (SSNTDs) developed by R.L. Fleischer, P.B. Price and R.M. Walker in the early 1960s is an interesting and useful concept with something to offer to almost all branches of science and technology. In fact nuclear tracks find applications wherever solid state damage occurs. Apart from the direct applications of far reaching consequences in nuclear physics, other areas as diverse as bio-medical sciences, cosmic rays and space physics, environmental research, geological sciences, materials science, microanalysis, mine safety, nuclear technology, uranium prospecting, etc., have been greatly influenced by SSNTDs.

Nuclear Track Society of India and Department of Physics, The M.S. University of Baroda are organizing the Seventeenth National Symposium on Solid State Nuclear Track Detectors and their Applications (SSNTD-17). The symposium will feature invited talks, contributed papers and poster presentations by eminent scientists, academicians and research students.

## Topics

- Basic Studies and Methodologies
- Heavy Ion Nuclear Physics and Cosmic Rays
- Instrumentation, Devices and Software
- Radon, Thoron Studies, Applications in environmental and earthquake studies
- Radiation Measurements and Dosimetry
- Microanalysis
- Latent Tracks in Materials and Ion Track Technology
- Nuclear Filters
- Fission Track dating
- Radiation Induced Modification of Materials

## Registration Fees

- Members of NTSI Rs 600/-
- Faculty/ Scientist Rs 750/-
- Student Rs 400/-
- Accompanying Person Rs 400/-

Participants will be provided lunch and tea/coffee during the seminar period. The DD should be made in favor of Convener SSNTD -17 payable at BOB, Sayajigunj.

## Important Dates

Abstract Submission 19<sup>th</sup> August 2011  
Acceptance of paper 10<sup>th</sup> Sept. 2011  
Submission of full length paper- During Symposium or as per the requirement of Journal (to be informed).  
All the contributed research papers will be called for oral/poster presentation and likely to be published as a proceedings in an Indian Journal.

## Financial Assistance

Financial assistance will be provided to limited number of participants, who will be presenting the paper, depending on availability of funds. The request for financial support should be made separately to the convener, SSNTD-17 by 30<sup>th</sup> August, 2011.

## Accommodation

Guest House/Hotel accommodation may be provided to a limited number of delegates, subject to the availability at a minimum cost. For other delegates, accommodation will be arranged in the hotels on chargeable basis. Room charges in the hotels vary from Rs 300/- to Rs 1000/- Per day per person. Those desiring to avail this facility should clearly indicate the same in the registration form.

## Abstract

Participants can submit their abstracts (maximum 200 words in MS- word 2003 format, Times new Roman Font, 12pt) via e-mail to the convener.

**Prof. N.L. Singh**  
**Convener, SSNTD-17**  
**Physics Department**  
**Faculty of Science**  
**The M.S. University of Baroda**  
**Vadodara – 390002**

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## Registration Form

*Seventeenth National Symposium  
on Solid State Nuclear Track Detectors  
and Their Applications  
(SSNTD-17)*  
**(17 – 19, October 2011)**

1. Name (Prof./Dr/Mr/Ms)-----  
-----  
(In Block Letters)
2. Designation-----
3. Name of Institute/ Organization-----  
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4. Address for correspondence-----  
-----  
-----
5. E-mail-----
6. Phone Number-----
7. Presenting a paper YES/NO  
Title of paper-----  
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8. Accommodation YES/NO
9. Details of Reg. Fee-----
10. Accommodation charge-----

Place:  
Date:

Signature of Applicant

**Please mail the form before August 20, 2011**