

## Sir C V Raman Centre for Physics and Music, Jadavpur University, Kolkata

The centre fulfils the existing vacuum in the country for comprehensive fundamental research in the area of music acoustics that was pioneered in the country by Sir C V Raman. It provides necessary platform to individual researchers in other organisation for infrastructural as well as knowledge resources.

This also fills up the existing void in the important domain of societal behaviour in scientific approach towards objectively analysing traditional musical culture of the country and creating knowledge bases for these. The Centre also provides technology bases for enumeration, analysis and study of various kinds of indigenous, folk and tribal musical instruments used in different communities.

The creation of acoustic databases for music including tribal ones and the understanding of its course of development is another area of interest.

The centre provides basic knowledge as an input to information and media technology using the most natural mode of human communication and act as a resource centre for necessary data bases for the indigenous development and bench-marking all kinds of technology in the area of music.

The centre is providing facilities and assistance to the development of human resource through lecture courses, schools, seminars and workshop.

The centre has undertaken Ph.D programs and project oriented research activities in the said areas.

All these require multidisciplinary input from various disciplines of science, technology and even some disciplines of humanities. Keeping these in mind, Jadavpur University created the centre to fulfil the aforesaid objectives.

### About Kolkata

Kolkata, also famous as the "City of Joy", is India's largest metropolis -- overcrowded, vibrant, volatile, exciting and charming. It has an area of 187 sq. km with a population of 12 million. It is a city made famous by its people and its culture. Kolkata is the capital of West Bengal. Kolkatans regard it as a "fascinating, bewitching and bewildering" city and it is well worth a visit. This bastion of Bengali bhadrakol, the city of the bespectacled, jhola-slung intellectuals is India's cultural capital. Popular belief is that Kolkata was an obscure village before 1686, when Job Charnock, a British merchant decided to make a settlement there. However, recent studies suggest that Kolkata was an area of pilgrimage in the medieval age.

Kolkata is known to a lot of people because of mother Teresa and her charity works. Although she passed away, the helping of the poorest of the poor still continues. Today's

Kolkata is the nerve centre of trade and industry in eastern India, and the most important city in the region. Look beyond the squalor and you will find that Kolkata retains a certain something that is sepia tinted, elegant and charming. You will either hate it or love it, but you can never be indifferent to Kolkata.

### Weather

Kolkata has a mild and moderate climate with temperature in the summer between 32° C and 38° C and between 10°C and 20° C in winter. The best time therefore to visit this city is between October and March when the temperature is at its best and the festivals are being held.



### By Air

Kolkata has an International Airport that has regular flights to Europe, the United States of America and the Orient. Major cities in India are connected to Kolkata by domestic flights. The Dum Dum Airport is only 17 km away from the city centre.



### By Road

It is possible to get to Kolkata by road. One can drive or take a bus from anywhere to Kolkata, be it Delhi, Bombay or Guwahati.



### By Train

Howrah on the west of Hooghly River and Sealdah to the east of the river are the two rail stations and both are very crowded and frenetic with activity. All trains to India's north-eastern region originate and end at Sealdah and trains to north, west, central and south India operate from Howrah.

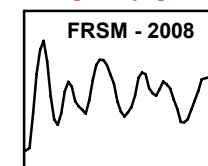


## International Symposium Frontiers of Research on Speech and Music (FRSM - 2008)

20-21, February, 2008

### Special Theme

*"Acoustic & Cognitive aspects of Speech, music & language"*



### Organised by

ITC Sangeet Research Academy, Kolkata

CDAC, Kolkata

Saha Institute of Nuclear Physics, Kolkata

&

Sir C V Raman Centre for Physics and Music,  
Jadavpur University, Kolkata

### Venue

Sir C V Raman Centre for Physics and Music,  
Jadavpur University, Kolkata

## About the Symposium

The international symposium "Frontiers of Research on Speech and Music (FRSM) is organised in different parts of India, every year, to provide a platform for the scientists and technologists for interaction since 1987. Previously the symposium was held in the name of "International workshop on Recent Trends in Speech, Music and Allied Signal Processing". Till date, these symposiums were held at Kolkata, Varanasi, New Delhi, Santiniketan, Thiruvananthapuram, Kanpur, Annamalai, Bhubaneswar, Lucknow and Mysore to promote research interest in these areas to researchers working in different fields like physics, mathematics, linguistics, musicology, electronics and computer science.

The continuation of these events would not have been possible without the active co-operation of Indian Statistical Institute, Banaras Hindu University, Visva Bharati University, International School of Dravidian Linguistics, IIT Kanpur, Annamalai University, Utkal University, Uttar Pradesh Technical University, All India Institute of Speech and Hearing and Acoustical Society of India and active participation of various research groups particularly, Tata Institute of Fundamental Research, Indian Institute of Science, various IITs and Indian and foreign universities and institutions.

The two-day symposium on **Frontiers of Research on Speech and Music (FRSM – 2008)** will be held at Sir C V Raman Centre for Physics and Music, Jadavpur University, Kolkata, India, during 20-21 February 2008. It will be jointly organised by the ITC Sangeet Research Academy, Kolkata, CDAC, Kolkata, Saha Institute of Nuclear Physics and Sir C V Raman Centre for Physics and Music, Jadavpur University, Kolkata. This symposium is intended to highlight the current status and trends of research and applications in the area of Speech, Music and Allied Signal Processing. Invited and some contributed papers related to speech, music, language and allied signal processing will be considered for presentation and publication. The topics include:

**Speech Analysis, Synthesis and Perception, Speech Coding/Decoding and Enhancement, Speech Acoustics, Spoken Language Processing, Phonetic/Phonological Systems for Indian Languages, Speech Prosody, Speech Processing Models and Systems, Music Analysis, Synthesis and Cognition, Music Acoustics, music composition, music psychology, Music Information Retrieval, Musical Creativity, Origins and Evolution of Music, Emotion in speech and music, music therapy, Signal Processing and applications in the above areas.**

## International Advisory Committee

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## Organising Committee

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Dr. R. Sengupta, ITC SRA, Kolkata  
Sri N. Dey, ITC SRA, Kolkata

## Call for Papers

Researchers are invited to submit extended abstracts (1000 words) of original unpublished research work in the related fields by [E-mail: [frsm2008@rediffmail.com](mailto:frsm2008@rediffmail.com)] in MS Word format. Alternatively, a hardcopy of the abstract can be sent to **Mrs. Dipali Nag, Convenor, Organizing Committee- Frontiers of Research on Speech & Music (FRSM - 2008), Scientific Research Department, ITC Sangeet Research Academy, Tollygunge, Kolkata 700 040.** The submitted abstracts will be reviewed carefully and only accepted papers will be published in the Symposium proceedings.

## Important Dates

November 30, 2007	Last date of abstract submission
December 15, 2007	Notification of Paper Acceptance
January 25, 2008	Final Camera-Ready Paper
January 15, 2008	Last Date of Registration

*Instructions for the preparation of camera-ready manuscript will be sent along with the notification of paper acceptance.*

## Accommodation

Limited accommodation for **registered** participants will be available in the Guest Houses within the University on first come first serve basis. Participants desirous of getting accommodation should inform along with their travel schedule to **Prof. D. Ghosh, Coordinator, CVRCPM, Jadavpur University, Kolkata, Ph. 9831204247 [E.Mail: [dipakghosh\\_in@yahoo.com](mailto:dipakghosh_in@yahoo.com)]** with a copy to convenor, (FRSM - 2008), before November 15, 2007.

## Registration Fee

Registration fee by demand draft in favour of **'Frontiers of Research on Speech and Music'** payable at Kolkata along with Registration form may be sent to the Convenor.

Students (Indian) within 15 <sup>th</sup> .Jan.'08	Rs. 750/-
Students (Indian) after 15 <sup>th</sup> .Jan.'08	Rs. 850/-
Students (Foreign) within 15 <sup>th</sup> .Jan.'08	US \$ 60
Students (Foreign) after 15 <sup>th</sup> .Jan.'08	US \$ 70
Others; within 15 <sup>th</sup> .Jan.'08	Rs. 1250/-
Others; after 15 <sup>th</sup> .Jan.'08	Rs. 1350/-
Foreign Delegates; within 15 <sup>th</sup> .Jan.'08	US \$ 100
Foreign Delegates; after 15 <sup>th</sup> .Jan.'08	US \$ 110

The registered participants would get conference material, which include a copy of the proceedings. However as accommodation and other facilities are limited, prior intimation is necessary. **Local hospitality may be free subject to the availability of funds.**

**Registration Form for  
Frontiers of Research on Speech and  
Music (FRSM – 2008)**

Name \_\_\_\_\_

Designation \_\_\_\_\_

Address \_\_\_\_\_

E-mail \_\_\_\_\_

Telephone \_\_\_\_\_

Fax \_\_\_\_\_

I want to attend the symposium.....Yes / No

I want to present a paper in the symposium....Yes / No

I am enclosing a DD of Rs. \_\_\_\_\_

I want an accommodation at Guest House.....Yes / No

Signature \_\_\_\_\_

To  
**Smt. Dipali Nag**  
**Convenor,**  
**Frontiers of Research on Speech and Music**  
**(FRSM-2008)**  
**Scientific Research Department,**  
**ITC Sangeet Research Academy,**  
**1, N. S. C. Bose Road, Tollygunge,**  
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