

International Workshop

On

RADIATION TECHNOLOGY IN HEALTH CARE AND ITS SAFETY

(RADTECHS 2012)

5 – 8 March, 2012

FIRST ANNOUNCEMENT

Theme: To promote international cooperation and sustainable development in the field of Medical Physics.

Venue: Bharathiar University, Coimbatore, India.

Registration and Accommodation: Registration from 14th October 2011 to 15th January 2012.

Those wishing to attend RADTECHS 2012 are requested to complete the attached registration form and send it to:

surekasekaran@buc.edu.in (or)

sureka_sekaran@yahoo.com

Registration fee	
Indian Participants	Foreign Participants
Rs. 1,500 /- (With accommodation)	100 US Dollars
Rs. 1,000/- (Without accommodation)	(With accommodation)

Payments:

Foreign participants are requested to make payment through wire transfer.

Wire transfer details:

Account No. : 822610110005545

Name and address of the Bank : Bank of India, Bharathiar University Branch,
Administrative Block, Bharathiar University,
Tamil Nadu, Coimbatore, 641 046, India

SWIFT Code : BKIDINBBCOM

MICR No : 641013011

Indian participants are requested to make payment either through on-line transfer or the Demand Draft in favour of RADTECHS 2012, Bharathiar University payable at Coimbatore 641 046, Tamil Nadu, India, which is to be sent to The Organizing Secretary, RADTECHS 2012, Department of Medical Physics, School of Physical Sciences, Bharathiar University, Coimbatore 641 046, India.

On-line transfer details:

Beneficiary Name : Organizing Secretary, RADTECHS 2012
Account No. : 822610110005545
Name and address of the Bank : Bank of India, Bharathiar University Branch,
Administrative Block, Bharathiar University,
Tamil Nadu, Coimbatore, 641 046, India
IFSC Code : BKID0008226

Travel Grants:

The Emerging Nations Science Foundation (ENSF), Trieste, Italy, is providing a number of travel grants to participants from the developing countries in Africa and Asia. Selected participants shall be provided with prepaid roundtrip air tickets by ENSF.

Working Language: English

About the Workshop:

Medical physics is the science of human health and radiation exposure. Ionizing radiation has been beneficial to human beings in areas ranging from Cancer diagnosis and therapy to scientific research to generating electrical power. Cancer is currently the cause of 12% of deaths worldwide. Of the 10 million new cancer cases diagnosed each year, 4.7 million are in the more developed countries and nearly 5.5 million in the less developed countries. The number of cancer cases in India is increasing due to increasing population, increase in the proportion of older people and changing patterns of lifestyles. Based on the cancer registry data it is estimated that there will be about 800,000 new cancer cases in India every year. At any given point there is likely to be 3 times this load that about 240,000 cases. About two thirds of them need some form of radiation therapy.

Today there are more than 800 medical physicists in India. Even though the annual growth rate in the number of medical physicists is reported to be the highest in India, the total number is inadequate for the size of the population. While India has less than one medical physicist per millions population, it is from 5 to 20 in developed countries. This also reflects upon the meager facilities for X-ray diagnosis and radiation therapy of cancer in India.

The challenge for academic radiology in India is also going to be the problem of educating and training a sufficient number of medical physicists, while coping with increasingly busy clinical practices. Also the development of modern health technology makes new applications safer than

before as their inappropriate use can lead to unnecessary or unintended radiation doses, causing potential health hazards for patients, staff as well as public. Under these circumstances, this workshop provides a platform to exchange knowledge, share experience and discuss challenges and solutions to existing problems known in the field of Medical Physics.

Topics:

- Scenario of Medical Physics: Past, Present and Future
- Interaction of radiation with matter
- Biological and health effects of radiation at low doses
- Physics and techniques involved in Radiotherapy and Brachytherapy
- Advanced radiotherapy techniques
- Nuclear medicine techniques
- Radiation dosimetry
- Radiation biology
- Radioactivity measurements
- Radiation safety

About the University:

Bharathiar University, named after the great National poet Subramania Bharathi enshrined with the motto “Educate to Elevate”, was established in February 1982. The University is situated at the backdrop of Maruthamalai Hills in the Western Ghats range, in a sprawling campus of 1000 acres of land, 15 km. from the city of Coimbatore. The University has been accredited with “A” grade by NAAC. The University aims at value addition in knowledge, skills and creative attitude among the youth for societal transformation and National development. The vision of the University is to provide internationally comparable quality higher education to the students.

About the Department of Medical Physics:

The M.Sc. (Medical Physics) program started during the academic year 2002-2003 in the Department of Physics and in 2007, the Department of Medical Physics was established and became a constituent part of School of Physical Sciences. The Department of Medical Physics is offering a two year self-supporting M.Sc (Medical Physics) course. The course is conducted in collaboration with G. Kuppusamy Naidu Memorial Hospital (GKNM Hospital), Coimbatore, which is one of the most recognized hospitals in India for cancer treatment. The Radiation Oncology Department is well equipped with latest advanced equipments and it is one of the best Oncology Departments in the southern part of India.

This course is approved by the Atomic Energy Regulatory Board (AERB) and the Bhabha Atomic Research Centre (BARC), Mumbai. The AERB conducts a training program and a written test and viva-voce, for those students who complete this course, for the award of Radiological Safety

Officer (RSO LEVEL-III) certificate. Our students are employed in various Cancer hospitals, Medical equipment manufacturing industries in India and abroad with 100% placement record.

Sponsorship/Co- sponsorship:

The Emerging Nations Science Foundation (ENSF), Italy, is a major sponsor and supporter of RADTECHS 2012. Various national and international organizations are also being contacted for financial support.

The leading organization, industries, book companies, equipment manufactures and allied services are invited to sponsor the conference for lunch, dinner/kits etc., Sponsors/Co-sponsors will find their names reflected in the Workshop proceedings and would be prominently displayed at the Workshop venue. The sponsors will be given a free place for their product display.

Advertisement:

A limited space will be provided for advertisement in the Workshop proceedings. Contact the Organizing Secretary for further details.

Transport and Access:

Participants coming from abroad are advised to take a flight to Coimbatore/Chennai/Bangalore/ Bombay/ Delhi International Airport and then regular connecting flights from other international airports to Coimbatore Airport. One can also reach Coimbatore by Rail or Bus from Chennai and other places. A frequent bus service to Bharathiar University is available from Coimbatore Airport. One can also hire a taxi from Coimbatore Airport to Bharathiar University, Coimbatore. Bharathiar University is 25 km. from Coimbatore Airport.

Visas:

Visitors from other Nations require a visa to visit India. Letter of invitation for visa application will be sent on request after receipt of the registration form and fees. Please check with your local Indian Embassy/ Consulate for visa details.

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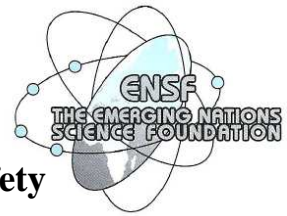
Contact

For further information on RADTECHS 2012, contact us through surekasekaran@buc.edu.in (or) sureka_sekaran@yahoo.com

We look forward to seeing you in RADTECHS 2012 for an enthusiastic discussion.



**International Workshop on
Radiation Technology in Health Care and its Safety
(RADTECHS - 2012)**



5-8th March, 2012

REGISTRATION AND ACCOMADATION FORM

Name (in BLOCK letters) :
Educational Qualification :
Date of birth :
Designation :
Department :
Name of the Institution :
Address for communication :
Reason for applying :
Years of Clinical experience :
E-mail ID :
Contact No. :
DD No., Date and Amount :
Wire transfer Reference No. :
On-line transfer Ref. No. :
Accommodation : Yes / No
Duration of stay :

Affix your photo

Place:

Date:

Signature with name