

**National Level Seminar
On
Synthesis, Characterization, Properties
and Applications of Novel Materials
30-31 August 2012**

Registration Form

Name: _____

Designation: _____

Affiliation: _____

Address: _____

Phone: _____ Mob: _____

Email: _____

Accommodation required: Yes/No _____

Date and time of arrival: _____

Date and time of departure: _____

Payment details:

Amount: _____

DD/Cheque No: _____

Date: _____

Bank: _____

Place: _____ Date: _____

Signature: _____

**Note: Demand Draft/Cheque in favour of
"Christ University" payable at Bangalore
should be sent to:**

Associate Dean

Christ University Faculty of Engineering
Kumbalagodu (PO), Kanminike
Bangalore -560060, India

Chief Patron
Dr (Fr) Thomas C Mathew
Vice Chancellor, Christ University, Bangalore

Patron
Fr Benny Thomas
Director, CUFE

Convener
Dr Iven Jose
Associate Dean
CUFE, Bangalore.

Advisory Committee
Dr S A Kori
Registrar VTU, Belgaum
Dr K Chattopodhya, IISc, Bangalore
Dr K C Patil, IISc, Bangalore
Dr B R Sridhar
East Point College of Engineering
Dr D N S Kumar
Dr Shrikanta Swamy
Dr Raviprakash G
Dr Sanjay Jayavanth
Prof. Balachnadrann
Prof. Gladly Jacob
Prof G S Hebbar

Organizing Chair
Dr P Das
Prof. Mohan B Vanarotti

Organizing Committee Members
Prof. Rathnakar G
Prof. Pal Pandian
Prof. Ben Rajesh
Prof. Ravikumar
Prof. Raghunandan Kumar
Prof. Manohar Murthy
Prof. Arjun H R
Dr A V Vijayasankar
Prof. Nobi Daniel
Prof. Anirban Roy
Mr. Madhusudan J (JRF)

**National Level Seminar
On
Synthesis, Characterization, Properties
and Applications of Novel Materials
30-31 August 2012**



**Organized
By**

**Department of Mechanical Engineering
Christ University Faculty of Engineering
Kumbalagodu (PO), Kanminike,
Bangalore - 560 060, India
www.christuniversity.in**



Declared as Deemed to be University under Section 3 of UGC Act 1956

Christ University

Christ University was established in July 1969 and became the most preferred educational institution in the city of Bangalore within the first three decades. It has the rare distinction of being the first institution in Karnataka to be accredited by National Assessment and Accreditation Council (NAAC) UGC for quality education. UGC conferred Autonomy to Christ College in 2004. Later it became the first College in South India to be re-accredited with A+ by NAAC. UGC identified it as an Institution with Potential for Excellence in June 2006. Under Section 3 of the UGC Act, 1956, Ministry of Human Resources Development of the Union Government of India declared it a Deemed to be University, in the name and style of Christ University in 2008.

The Organising Department

The Department of Mechanical Engineering has well-established facilities for carrying out the activities of basic mechanical engineering. It is equipped to meet the present-day technological advances and the industrial requirements matching with the global standards and demands. The department has state of the art laboratories to meet the demand for knowledge required for the present-day industrial applications.

The Seminar

Self-propagating High Temperature Synthesis (SHS) or combustion synthesis and solution combustion (SC) is a novel fast method for the preparation of technologically useful oxide and non-oxide materials. Combustion synthesis appears to meet the demand of materials science and engineering for preparation of tailor-made materials with desired composition and properties. This method produces nano-sized

materials by controlling process parameters. In an usual process of nano material preparation and synthesis, breaking down processes are involved which require expensive special equipments. A self-propagating reaction, on the other hand generates in-situ high temperature, which helps in generation of desired end product nuclei.

The aim of this seminar is to review the state of the art of both SHS and SC and identify the areas of future research for specific applications. Eminent scientists and researchers from premier institutions such as BARC, IISc, NAL and IIT will deliver invited lectures in the seminar. This will include several aspects of SHS, SC products and their applications in industry. The proceedings of the seminar will help not only in identifying areas of future research and development programme but possible collaboration between the various research groups.

For Whom

The seminar will provide a platform for PG Students, academicians, researchers, and industry participants.

Registration Fee

Registration fee is **Rs 250/-** (Two hundred and fifty only) for students and Research Scholars and **Rs 500/-** (Five hundred only) for others

For any Query Please Contact

Prof. Mohan B Vanarotti

Organizing Chair

Phone: 080-40129853

Mobile No: +91 99 025 445 99

Email: mohan.vanarotti@christuniversity.in

Important Dates

Last date for submitting abstract for poster presentation and invited talks	07 July 2012
Confirmation of the abstract	14 July 2012
Last date for registration (by post)	20 July 2012
Confirmation to the participation	1 August 2012

Guidelines to Participants

Participants desirous of sending abstracts of their research work for poster presentation should briefly describe the following (1) Topic of the presentation (2) Affiliation (3) Aim of the work done (4) Experimental procedure in brief (5) Research findings. The size of the poster should be 1 metre x 1 metre. The abstract of poster presentation will be included in the proceedings. The first and second poster will get rewards of Rs 3000/ (Rupees Three Thousand only) and Rs 2000/- (Rupees two thousand only) respectively.

Certificate

Certificates will be issued to all participating in the seminar.

Accommodation

Accommodation will be provided to the out station participants on prior request and early registration.