

## ORGANISING COMMITTEE

### Steering Committee

Most Rev. Dr. Francis Kallarakal  
(Metropolitan Archbishop of Verapoly) - Patron  
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Rev. Dr. Clement Valluvassery - Manager  
Capt. Prof. Robert Stanley - Principal  
Prof. Harry Cleetus - Vice Principal  
Dr. Souriar Sebastian - HOD  
Prof. N. Ramachandran

### Co-ordinator

Dr. Sabu M. C. Ph: 9447603122

### Assistant Co-ordinators

Prof. Edwin Tomson Ph: 9447570562  
Prof. Alexander Mendez Ph: 9633144104  
Dr. Shery Fernandez Ph: 9846762450

## PROGRAMME SCHEDULE

### 6-8-2010

09.00-10.00 - Registration  
10.00-10.30 - Inaugural function  
10.30-10.45 - Tea Break  
10.45-11.50 - Lecture 1  
11.50-1.00 - Lecture 2  
1.00-20.00 - Lunch Break  
2.00-3.15 - Paper presentation  
3.15-3.30 - Tea Break  
03.30 p.m. - Paper presentation

### 7-8-2010

09.00-10.30 - Lecture 1  
10.30-10.45 - Tea Break  
10.45-11.50 - Lecture 2  
11.50-1.00 - Paper presentation  
1.00-20.00 - Lunch Break  
2.00-3.15 - Paper presentation  
3.15-3.30 - Tea Break  
03.30 p.m. - Valedictory Function

## REGISTRATION

A duly filled Registration Form along with registration fee payable by Demand Draft drawn in favour of the Principal, St. Albert's College payable at Ernakulam is to be sent to the co-ordinator before 30<sup>th</sup> July 2010. Registration is compulsory for all the participants.

Registration form can be downloaded from the College Website [www.alberts.ac.in](http://www.alberts.ac.in)

Note: A registration fee of Rs 50/- per student and Rs 100/- per teacher is to be paid. Lunch and tea will be provided.

## Rev. Dr. A.O. Konnully Memorial Research Centre and Department of Mathematics

St. Albert's College, Ernakulam



Organises a Two Day

UGC Sponsored

Seminar on

Fractals and Chaos

Date :

6, 7 August 2010

Venue :

Seminar Hall

St. Albert's College, Ernakulam

Dear Sir/ Madam,

We are happy to invite your esteemed co-operation and participation for this seminar on fractals and chaos for PG Students, Research Students and teachers.

We request you to send interested teachers and students to utilise this opportunity.

With warm regards,

(Principal)

(HoD. Dept of Mathematics)

## ABOUT THE COLLEGE

St. Albert's College, started on 16<sup>th</sup> July 1946, has a history of 64 years of selfless service in the field of education and has been producing committed dynamic leaders for society. At present the college has the strength of 1300 students in 11 undergraduate and 9 postgraduate courses and 5 research centres. It also houses the biggest study centre of IGNOU in South India with approximately 2000 students on the rolls. In 2009, the college was awarded 'A' grade with a CGPA of 3.23 out of 4 by NAAC. In 2010, the college was recertified for ISO 9001 : 2008 by TÜV Rheinland. Today under the benevolent patronage of the Most Rev. Dr. Francis Kallarakal, Metropolitan Archbishop of Verapoly, the College is marching ahead to higher echelons in the field of higher education. The College is affiliated to Mahatma Gandhi University, Kottayam.

## ABOUT THE DEPARTMENT

The Post-Graduate and Research Department of Mathematics conducts Bachelor's Degree Course in Mathematics (B.Sc Mathematics) and also a Masters Degree Course in Mathematics (M.Sc Mathematics) with specialization in computer/mathematical programming.

The department is also an active research unit of the Mahatma Gandhi University. There are 6 full time and 4 adhoc faculty members in the department.

## OBJECTIVES OF THE SEMINAR

Chaos and Fractals are very recent and exciting topics in Mathematics. These topics are particularly appropriate because many of the ideas in this field were first conceived during ones interaction with the nature itself. Most often many discussions of Chaos and Fractals degenerate into "simple pretty picture shows". Due to this the actual Mathematics behind these pretty pictures is rarely discussed. Infact Mathematics behind these pictures is even prettier than the pictures itself.

Since its introduction in 1975, the concept of Fractals has given rise to a new system of geometry known as Fractal Geometry. It has significant impact not only on Mathematics but also in Physical Chemistry, Fluid Mechanics and even diverse field like physiology. Even it has been applied to the fields like Stock Market, Chemical Industry, Meteorology and Computer Graphics. The properties of fractals are also similar to many natural phenomena.

The Fractal geometry has also contributed a lot to computer graphics. The iterative procedure to create fractals also helps in using computers to create them. Complicated representations of nature such as mountains, waterfalls, landscapes etc. can be created using fractal algorithm. Nowadays many of the movie makers use these algorithms in their movies.

## CALL FOR PAPERS

Persons interested in taking part in the seminar are advised to send the enclosed proforma duly filled together with abstract of the contributed papers (in case of paper presentation) latest by 30<sup>th</sup> July 2010.

For Registration and Details Contact

Co-ordinator  
Seminar on Fractals and Chaos  
Department of Mathematics  
St. Albert's College,  
Ernakulam - 682 018  
Ph : 9447603122  
e-mail : [saboochacko@gmail.com](mailto:saboochacko@gmail.com)

Note : No. T.A. / D.A. will be paid to the participants

# REGISTRATION FORM

UGC Sponsored Seminar  
on Fractals and Chaos  
(6-7, August 2010)

Name : .....

Sex : Male / Female

Official Address : .....  
.....  
.....

E-mail ID : .....

Telephone No. : .....

Will you be  
presenting a paper: Yes / No

Accommodation  
required : Yes / No

Place :

Date :

Signature

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- Registration form should reach the coordinator before 30th July 2010
  - Photostat copies of the form also are accepted