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Convener:
Sri. P.K.Krishnadas (Principal,MHSS)
Joint Convener:
Smt. Nalini Kunnath
Treasurer:
Sri. P.K.Sreedharan

Program Committee

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Sri. T.V.Balakrishnan Nambiar (President, Memunda School Committee)
Convener :
Sri. K.P.Sudheer Babu (Perambra HSS, Secretary APT Kerala)

Program Coordinator

Dr. R.K.Sunil Kumar (Memunda HSS & Joint Secretary APT Kerala)

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Sri. O.P.Rajan
Sri. P.K.Asokan
Sri. O.P.Babu (Secretary Memunda School Committee)
Sri. R.P.Vinod kumar
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Dr. V.L.Lajish (HOD, Computer Science,University of Calicut)
Sri. Sandesh Epa (Chorode HSS)
Sri. Vijith (Asst. Professor Maniyur Engineering College)
Sri. B.Madhu (Chorode HSS, Chairman PU Workshop for HS Teachers)
Smt. Ajitha (Memunda HSS)

More details about
registration for the programme

www.aptkerala.in

K.P.Sudheer Babu
Programme Committee Convener
Kerala Physics Congress 2012
Mob: 9446733433
Ph: 0496 2242215

food and accommodation will be provided

with best compliments from

VECTOR
Medical/Engineering
Coaching Centre

Pavamani Road, CALICUT
Ph: 9447337655, 0495 3236565

Tuition for

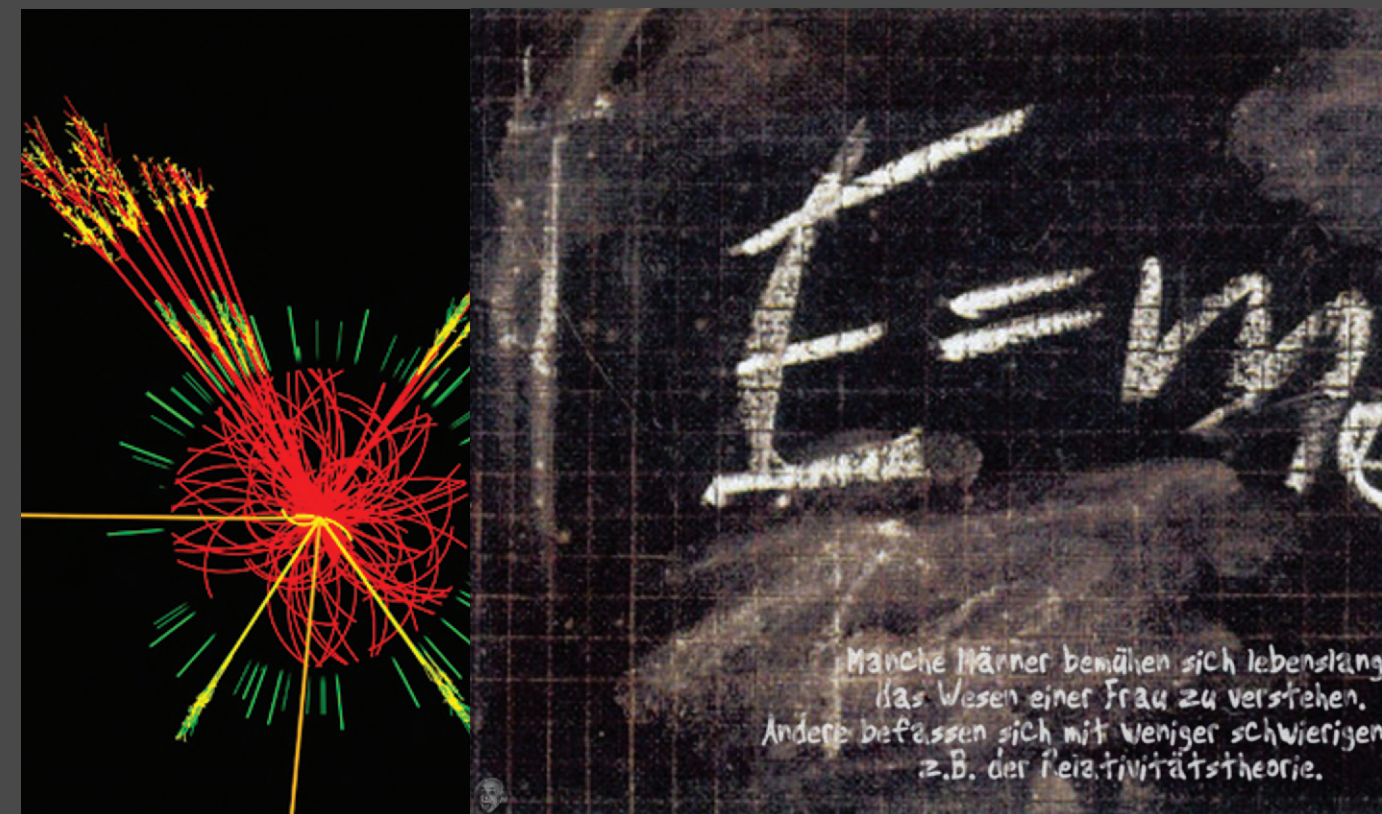
Physics, Chemistry, Maths & Biology

+1 & +2
State/CBSE

Registration Started for
Crash 2013 & Extended Crash
(2012 December 2)

KERALA PHYSICS CONGRESS

November 16 to 18-2012
at **Memunda Higher Secondary School**



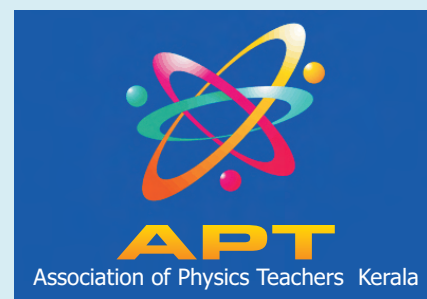
Organised by
Association of Physics Teachers Kerala
Incollaboration with Memunda Higher Secondary School



About us

Memunda Higher Secondary School is setup in memunda; a lovely rural retreat, situate just 5 km from vatakara, the legendary place, where, once reverberated with the "Vaythari" of Othenan- the evergreen hero of of Vatakkann Pattu. The serene village sleeps and awakes with rhymes form "Lokanarkavu"; the cradle of the folk songs. The school has made tremendous strides in the field of education by consistently achieving top positions in curricular and co curricular activities.

The Association of Physics Teachers Kerala(APT Kerala) was established in the year 1996 with the aim of upgrading the quality of Physics teaching and Physics teachers of Kerala state.



We are on move to launch a science education program **KERALA PHYSICS CONGRESS**, for meeting the challenges of the changing scenarios in the field of Physical science. We strongly believe that efficient students are not born but are trained. Thus giving chance to everyone who has a fire in them to become a different one in true sense.

About the Program

The conference focuses on the Higher Secondary science students and physics teachers of the state. The aim of the program is to provide an outstanding opportunity for students to learn a broad range of physics topics, and initiate interactions with eminent personalities in the area of Physical science. Furthermore, it will foster communication and exchange of ideas among students of various backgrounds and interests.

Program

- Students Experiment Competition
- Student Paper Presentation Competition
- Two Day Workshop for Higher Secondary Students
- One Day Workshop for High School & Higher Secondary Physics Teachers

Program

November 17

Inaugural Session: 9.30 am

Tea Break (10.30am to 10.45 am)

Session1

Keynote Address & Distribution Prizes for the Contest and Physics Talent Test winners

Topic **Recent trends in photonics**

Dr. VPN Namboothiri

(Emeritus Professor International Centre for Photonics, Cochin University of Science & Technology)

Session2

(Parallel Session- For Higher Secondary Physics teachers)

Topic: **Electro Magnetic theory and Communication Techniques**

Dr.Premlet

(Department of Physics TKM Engineering College Kollam)

Session 3

Topic: **Standard Model**

Prof. K.Pappooty

(Former HOD of Physics Govt. College, Madappally)

Lunch break 1.30 2.15

Session 4

Topic: **Problem Solving Strategies in Physics Physics - through problems**

Prof. K. Suresh Babu

(HOD of Physics , Govt. College Madappally)

Tea Brak

Session 5

Topic **Face to Face**

(Students interaction program- Interaction with Eminent personalities in Physics)

Break

Local Trip Sand banks & Lokanarkavu

Session 6

Topic **Astronomy & Astro Physics**

(The session is followed by Star Watch)

Prof. K.Pappooty

K.Vijayan

Cultural Program
Memunda Hss Team

November 18

Session 1

Topic **Experimental Physics Demonstration Classical Experiments in Physics**

Dr. P. RamaKrishnan

(Associate Professor Department of Physics, Govt College madappally)

Tea Break

Session 2

Topic **From Classical to Quantum Physics Physics through ages**

Prof. Dr. K.Sethumadavan

(HOD Physics, SN College Chalannur)

Lucnch Break

Session 3

Topic **How to Solve real Life problems in Physics-**

A research based approach based on scientific computing tool-Team presentation

This session is followed by carrier guidance program focusing on opportunities in the area of science & Technology.

High School Teachers Workshop on "Procedural Understanding in Physics"

November 16

9.30 Registration

Session 1 (10 am 11.30 am)

Content enrichment program through ICT

Prof. K.Suresh Babu

(HOD of Physics Govt College Madappally)

Session 2 11.45 pm - 1pm

Procedural Understanding and Improvisation of Physics Experiments

K.P. Sudheer Babu

(Core Resource group Member SCERT for Higher secondary Classes)

Lunch Break

1.30 pm - 3.00 pm

Session 2 continues

Session 3

Improvisation of Physics Experiments

Mr. Prasanth