



International Symposium On Waves, Coherent Structures & Turbulence In Plasmas

A symposium to honour the scientific achievements of Professor Predhiman Kaw

12-15 January 2010

Institute For Plasma Research
Bhat, Gandhinagar 382 428, Gujarat (INDIA)

The study of nonlinear phenomena in plasmas has ever been an exciting and challenging area of research and over the last several decades has provided a rich variety of novel discoveries and important insights into the collective behavior of complex systems. Contributions in the areas of formation and dynamics of coherent structures (solitons, double layers, shocks etc.), magnetic reconnection, parametric instabilities, wave induced particle acceleration, turbulent transport phenomena etc. have not only advanced our fundamental understanding of plasma behavior but have also helped us in making progress in fusion research, in interpreting natural plasma phenomena in space and in inventing many new practical applications.

The conference will provide a forum to highlight recent developments in many of the key areas of nonlinear phenomena in plasmas ranging from the coherent to the turbulent – **a theme that also characterizes the primary focus of the research contributions and achievements of Professor Predhiman Kaw.**

Invited speakers (Partial)

Frank Cheng (Taiwan)
Bruno Coppi* (MIT, USA)
Steve Cowley (Culham, UKAEA)
Fabrice Doveil (CNRS, France)
Dominique Escande (CNRS, France)
Nathaniel Fisch* (PPPL, USA)
Xavier Garbet (Cadarache, France)
John Krommes (PPPL, USA)
Kunioki Mima* (Japan)
Peter Mulser (Germany)
Dennis Papadopoulos (Maryland, USA)
Miklos Porkolab* (MIT, USA)
Satish Sharma (Delhi)
V.K. Tripathi* (IIT-Delhi, India)
A. K. Sundaram (USA)
Bikash Sinha* (India)

* to be confirmed

The conference will have special invited lectures and also contributed oral and poster presentations in the areas of non-linear phenomena in plasmas. For submission of abstracts, please see the website ;

<http://kaw-fest.pssi.in/documents/abstract.html>

Last date for submission of abstracts : **15 November 2009**

Registration is open to anyone interested in attending and presenting his/her work on non-linear phenomena in plasmas. For on-line registration follow the link

<http://kaw-fest.pssi.in/documents/regd.html>

Registration fee : Rs.1000/- (For Indian participants)
US\$ 250/- (for Foreign participants)

Conveners

Abhijit Sen, Institute For Plasma Research, Gandhinagar
Parvez N. Guzdar, University Of Maryland, USA
A. S. Sharma, Indian Institute Of Technology, Delhi

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