



## Information and Announcements

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### Science Academies' Refresher Course in Theoretical and Computational Fluid Dynamics

27 August to 8 September 2012

*Sponsored by*

Indian Academy of Sciences, Bangalore

Indian National Science Academy, New Delhi

The National Academy of Sciences, India, Allahabad

*Organized by* PSGR Krishnammal College for Women, Coimbatore 641 004, Tamil Nadu

PSGR Krishnammal College for Women, Coimbatore will organize a two-week Refresher Course on Theoretical and Computational Fluid Dynamics for college and university teachers with the main objective of providing value-added quality teaching to the student community.

**Topics to be covered:** Kinematics of fluids; dynamics of flow fields; exact solutions of flow problems; approximations in fluid mechanics; plane flows in polar co-ordinates; boundary layer theory; bio fluid mechanics; lubrication theory; thermodynamics; stability; gas dynamics and two-phase flows; atmospheric waves and water waves.

**Resource Persons:** Professors P Kandaswamy (Bharathiar University; Course Director); N Rudraiah, M. Venkatachalappa, I S Shivakumara (all of Bangalore University); Maithili Sharan (IIT Delhi); V D Sharma (IIT Mumbai); Peeyush Chandra (IIT Kanpur); T Amaranath (University of Hyderabad); N M Bujurke (Karnatak University); R Usha (IIT Chennai); K Sumathi (PSGR Krishnammal College); S Saravanan (Bharathiar University).

**Participation:** Those who wish to participate in the course should apply in the stipulated format which can be downloaded from the website: <http://www.psgrkc.com/academyrefresher> and can be sent to: [arc@psgrkc.com](mailto:arc@psgrkc.com).

For further details contact: **Dr K Sumathi**, Co-ordinator, Department of Mathematics, PSGR Krishnammal College for Women, Coimbatore 641 004. Email: [sumathiarun\\_math@yahoo.co.in](mailto:sumathiarun_math@yahoo.co.in); Mobile: 098422 04621.

Selection will be based purely on academic record. Selected teachers will be provided local hospitality and round trip shortest train fare (3-tier AC).

**Last date for submission of application: 15 June, 2012.**

