SEMINAR SERIES "Hot Topics in Astrophysics"

Thursdays 18 January – 3 May 2001, at 10.30

Room F6306 (at Chalmers, Physics, Forskarhuset, 6th floor)

COORDINATOR: Alessandro Romeo (romeo@oso.chalmers.se)

The Department of Astrophysics within the new Centre for Astrophysics and Space Science at Chalmers welcomes you to our seminar series, which is addressed to an *audience of physicists and students in physics*. There will be coffee and cookies!

See you soon!!!

Alessandro

PROGRAMME

- **18 January**
  Cosmological Information through the Lack of Light: Absorption Lines
  — Tommy Wiklind
- **25 January**
  From Red Giants to White Dwarfs: Radio Laser Emission from Dying Stars
  — Liz Humphreys
- **1 February**
  Galaxies: Where Is the Action?
  — Duília de Mello
- **8 February**
  Perspectives in Modern Cosmology and Dark Matter
  — Achim Tappe
- **15 February**
  Strings and Branes: What Are They Good for?
  — Bengt Nilsson (special guest from the Department of Theoretical Physics)
- **22 February**
  Tracking Nascent Massive Stars Using Masers
  — Vincent Minier
- **1 March**
  Are Black Holes Slippery?
  — Marek Abramowicz

- **8 March**
  Recently Discovered Connections between Gravity and Gauge Theories
  — Gabriele Ferretti (special guest from the Department of Theoretical Physics)

- **15 March**
  New Light on Interstellar Hydrogen Molecules
  — John Black

- **22 March**
  Wavelets: An Innovative Powerful Tool for Physicists and Astrophysicists
  — Alessandro Romeo

- **29 March**
  Quantum Theories in Diverse Dimensions
  — Måns Henningson (special guest from the Department of Theoretical Physics)

- **5 April**
  Gas in the Centre of Active Galactic Nuclei
  — Ylva Pihlström

- **12 April**
  The Tunnel of Time: A Geometrical Explanation of Why Apples Fall
  — Rickard Jonsson

- **19 April**
  Dynamical and Magnetic Activity in Young Stars
  — Michele Pestalozzi

- **26 April**
  Principles of General Relativity and Quantum Vacuum Revisited
  — Hans Westman

- **3 May**
  Solar Winds and Acceleration by Alfvén Waves
  — Rim Turkmani