



## **CIME-EMS School in Applied Mathematics**

### **Mathematical models in the manufacturing of glass, polymers and textiles**

September 8-19, 2008, Hotel Panoramic, Montecatini Terme (Pistoia)

Deadline for application: May 15, 2008

#### **Scientific Coordinators**

Antonio Fasano, Univ. Firenze, [antonio.fasano@math.unifi.it](mailto:antonio.fasano@math.unifi.it)

John Ockendon, OCIAM, Oxford, UK, [ock@maths.ox.ac.uk](mailto:ock@maths.ox.ac.uk)

#### **Lectures and Topics**

Antonio Fasano, Univ. Firenze, Italy and Andro Mikelic, Thierry Clopeau, Univ. Lyon, France

-*Non-isothermal flows and fibres drawing* (2+4+2 lectures)

Peter Howell, OCIAM, Oxford, UK

-*The Mathematics of glass sheets and fibres* (4 lectures)

Axel Klar, Univ. Kaiserslautern and Norbert Siedow, Fraunhofer, Inst. for Industrial Mathematics, Germany

-*Radiative heat transfer in glass industry: modelling, simulation and optimisation* (8 lectures)

Robert Mattheij, TU Eindhoven, Netherlands

-*Modelling and simulation of glass forming processes* (6 lectures)

Hilary Ockendon, OCIAM, Oxford, UK

-*Injection Moulding* (2 lectures),

-*Fibre-assembly Modelling* (2 lectures)

John Ockendon, OCIAM, Oxford, UK

-*The Mathematics of the Windscreen Sag Process* (2 lectures)

The Summer School is targeted to doctoral and post-doctoral students. The application form is on the website [www.cime.math.unifi.it](http://www.cime.math.unifi.it). There is no participation fee.

This activity has received funding from the EMS Executive Committee.

All successful applicants will receive complete financial assistance for their participation.

For further information on application and funding please access on the CIME Web page or contact CIME Secretariat:

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