Mathematics of Polymer Crystallization and Processing

Coordinator: V.Capasso, University of Milano

Speakers:

I)

- V.Capasso: *Introduction*, 10 min.

- G.Eder: *Crystallization in Polymer Processing - Modelling and Experimentation.*, 30 min.

- V.Capasso, C.Salani: *The stochastic modelling of the crystallization process of polymers with time and space heterogeneous parameters*, 20 min.

- M.Burger, V.Capasso, G.Eder, H.Engl: *Inverse problems related to non-isothermal crystallization of polymers*, 20 min.

- V.Capasso, G.Eder, A.Micheletti: *Incomplete Johnson-Mehl tessellations*, 20 min.

- Break.

II)

- A. Fasano, A.Mancini: *A Model for the Crystallization of Polypropylene under pressure*, 20 min.

- D.Andreucci, A.Fasano, R.Ricci: *A two-scale Model for a Polymerization Process*, 20 min.

- M. Rubi, Univ.of Barcelona: *Inertial Effects in Polymer Dynamics*, 30 min.

- F. Van de Ven, Univ. of Eindhoven: *Comparing Stick and Slip Models for Spurt in the Extrusion of Polymeric melts*, 30 min.