

4.2 INTERNATIONAL SYMPOSIUM ON FOUNDATIONS IN MATHEMATICS AND BIOLOGY, PONTIFICAL LATERAN UNIVERSITY, ROME, NOVEMBER 26–27, 1998

AIM OF THIS SYMPOSIUM

In the second anniversary of his untimely death, we want to commemorate Prof. ENNIO DE GIORGI of the Scuola Normale Superiore of Pisa (Italy), one of the most important scholars in Mathematical Analysis of this century. We want to commemorate him by promoting an International and Interdisciplinary Symposium on a particular and not yet sufficiently known topic of De Giorgi's research during last ten years. The "basic theory" on the foundations of logic and mathematics that he was developing with his collaborators, was aimed indeed to favorite the interdisciplinary dialogue among scholars of different disciplines, both scientific and humanistic.

Ultimately, the theory was developed for giving a contribution to one of the most fascinating debates on foundations. It concerns the theoretical and mathematical basis of the biological sciences, main topic of our meeting.

This symposium is also the first public initiative organized by the INTERNATIONAL RESEARCH AREA ON FOUNDATIONS OF THE SCIENCES (IRAFS), founded on October 1997 at the Pontifical Lateran University. This institution was originally promoted by the same Prof. Ennio De Giorgi and by the Prof. Edward Nelson, from the Dept. of Mathematics of Princeton University (USA), actually General Scientific Advisor of the Area. The aim of this institution is to encourage the international debate on Foundations, as well as the education of young scientists and humanists on these themes.

PROGRAM COMMITTEE: Gianfranco Basti, Pont. Lateran University; George Coyne, Specola Vaticana; Marco Forti, University of Pisa; Ludovico Galleni, University of Pisa; Furio Honsell, University of Udine; Antonio Luigi Perrone, Pont. Lateran University; Ichiro Tsuda, Hokkaido University.

General Chairman: Giovanni Prodi, University of Pisa.

Interventi particolarmente dedicati all'opera di De Giorgi:

M. FORTI, *The Foundational Theories of Ennio De Giorgi;*

L. GALLENi, *Axiomatization of Biology within the Foundational Theory of Ennio De Giorgi*