

Editorial

With the present issue of *Il Nuovo Cimento C* we wish to extend the interests of our Journal beyond the traditional Geophysics and Space Physics to include subjects related to the earth condition and human living, which have now become important applications of basic Physics.

One of such subjects is the study of climate on a global scale, using also models which require taking into account nonlinear response and involves the behaviour of complex systems. We hope to be able to address global warming, a basic problem for the future of mankind.

Another related field we intend to approach is the biomedical application of Physics, beyond the strict point of view of the medical instrumentation. For instance we can consider hadrontherapy, used in conjunction with photontherapy. We also intend to study the effects of ionizing radiations of various types, those present in the atmosphere from various sources and those introduced by medical diagnosis (X-rays exams, CT scans, PET etc.) or radiation therapy.

Related to human living is also Archaeometry, which applies modern instruments and basic Physics concepts to the dating of archaeological findings and to obtain structural and composition information basic to art objects. This provides a link between the human sciences and the natural sciences, which seems of interest to consider.

We hope that the new composition of the Topical Editorial Board and of the Scientific Advisory Board will be appropriate for the traditional fields and for the newly considered fields and will help to improve the quality and the usefulness of our Journal.