IN MEMORIAM ANATOL ROTARU

(October 14, 1949 – October 3, 2013)


Anatol Rotaru was born on October 14, 1949, in Chisinau in a family of workers. He finished physico-mathematical school nr. 32 in Chisinau (1967) and graduated from the Faculty of Physics and Mathematics, Department of Theoretical Physics, Moldova State University (1972); doctorate at the Institute of Applied Physics, Academy of Sciences of Moldova, specialized in Theoretical Physics and Mathematics (1976). He made his postdoctorate studies at the Institute of Applied Physics, Academy of Sciences of Moldova (1989), and in 1993 he became Doctor Habilitate in Physics and Mathematics. Both the Doctoral and Doctor Habilitate theses were performed under the supervision of famous moldovan scientist, academician Sveatoslav MOSCALENCO.

Scientific interests of Professor Anatol ROTARU included theory of self-organization of hierarchical and complex nonlinear systems (synergetics); dynamic chaos theory; condensed matter theory; nonlinear optics; quantum electronics; synergetic biophysics; global ecological problems; humanitarian and social synergetics; organization and self-organization of social systems; science and higher education; civilization history. Professor Anatol ROTARU is the author of 3 monographs and over 400 scientific papers published in Moldova, Russia, the United States, England, Germany, Netherlands, and Poland. As a scientific advisor, he prepared nine doctors in physics and mathematics.

Didactic activity: he held courses at the Moldova State University (MSU) on general physics and synergetic physics (Faculty of Physics and Engineering); synergetic chemistry (Faculty of Chemistry); ecological synergetics (Institute of Real Sciences of MSU); social and humanitarian synergetics (National Institute of Management of MSU); mathematical modeling of synergetic systems (Faculty of Mathematics and Informatics of MSU); mathematical apparatus of synergetics (Faculty of Mathematics and Informatics of MSU); he taught also at the Nicolae Testemițanu State University of Medicine and Pharmacy. He was vice-president of the Rector Council of the Republic of Moldova (1994–2000).

Prof. Anatol Rotaru manifested himself in social activities as vice-president of


Honors and Awards: Award in Science and Technology for Young Scientists (1982); Moldova Academy of Science Presidium Award (1985), National Award in Science and Technology (2004); Gold and Siver Medals at the V International Salon of Invention and New Technologies „Новий час”, Sevastopol, Ukraine (2009).

Academic Titles: Member of the International Academy of Informatization; member of the New-York Academy of Science; Member of the International Academy of Science of High School (Moscow).

We send our sincere condolence to family, friends, and colleagues of Professor Anatol ROTARU, doctor habilitate in physics and mathematics, member of the National Assembly of Science RM, ex-director of the Expert Council of Academy of Sciences of Moldova.

Sveatoslav MOSCALENCO, Vsevolod MOSCALENCO, Piotr Hadji, Igori Beloussov, Ion Geru, Alexandr COCEMASOV, Calina ISACOVA, Serghei BOLDIREV, Denis NICA, Florentin PALADI, Vasile TRONCIU, Costel SURA, …