Ladislaus Alexander Bányai (b. 1938, Cluj/ Kolozsvár/ Klausenburg).

Studies: Universities of Bucharest and Leningrad; PhD at the Institute of Physics of the Romanian Academy. From 1961 until 1983 researcher at the same Institute (later IFTM). The Prize of the Romanian Academy in 1980. Since 1984 research staff member at the Institut für Theoretische Physik der J.W. Goethe Universität (Frankfurt am Main) and, since 1997, extraordinary (APl) Professor.

Contributions in: quantum field theory, elementary particle theory, mathematical physics, non-equilibrum statistical mechanics, solid state physics, non-linear optics and laser spectroscopy, etc. Working stages at ICTP - Trieste, CNRS - Marseille, Universität Bonn, Universität Heidelberg, Optical Science Center-Tucson, Insitute Polytechnique Paris-Anthony. Lecturing semesters at Université de Strasbourg and Université de Lausanne. Author or coauthor of more than 130 scientific papers, with more than 5000 citations, author of three monographs (by World Scientific and Springer International).

Editura Horia Hulubei

Representative of the Central-European scientific elite, fluent in six languages and familiar with six cultures, Ladislaus Bányai left Bolyai's hometown to reach Goethe's hometown, after having passed through various hypostases, scientific centers, areas of science or political regimes.

As teenager fascinated by problems of mathematics, brilliant and rebellious student, expelled from USSR and excluded from the Romanian universities for "deviationism", “rehabilitated through labour” as industry worker, already as young physicist noticed by Sir Nevill Mott, animator of outstanding research groups, Ladislaus Bányai was spectator of - and actor in - the development of several spectacular domains of the postwar science. In a time of over-specialization, Bányai shows a remarkable scientific mobility, easily passing from fundamental theoretical problems to experiment-oriented phenomenology and approaching with the same insight quantum field theory, mathematical physics, transport in disordered semiconductors or ultra-fast optics in semiconductors. His last book, recently published by Springer International, hopefully becomes a reference compendium. Let us wish him success for the next one!

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LADISLAUS BÁNYAI PROFILE IN MOTION

Editura
Horia Hulubei

LADISLAUS BÁNYAI:
PROFILE IN MOTION

A volume dedicated to the
celebration of his 80th birthday