

OBITUARY



YULII BABEI

The famous scientist, and Doctor of Technical Sciences, Professor Yulii Ivanovich Babai passed away after a long illness at the age of 73.

Babai was born in Labova village of Novyi Conch district in Poland to a family of a medical practitioner on January 17, 1924. He graduated from the L'viv Polytechnic Institute in 1960. Afterwards he worked for the L'viv Bus Plant as a designer and head of the experimental workshop. From 1957 his activity was continuously bound with the Physical and Mechanical Institute of the NAS of Ukraine (FMI) where he traversed a long path from a post-graduate student to the head of the department for corrosion and metal protection.

A wide diversity of problems was typical for the scientific activity of Babai. He developed concepts concerning the impact of a structure and stress state of metal formed during its mechanical working on the resistance against stress corrosion failure, established major regularities and mechanisms of the specific surface white layers. These studies, which were generalized in his Doctoral Thesis, enabled scientists to develop new methods of pulse hardening of steels and cast irons as well as complex methods of protection against stress corrosion failure. He is the author of the important studies of technological heredity, corrosion and hydrogen fatigue, and adsorption effect. New inhibitors of corrosion, salt precipitation and stress corrosion failure, developed under the supervision of Yulii Ivanovich, are produced commercially and widely used in practice. These results of his work are a substantial contribution to the national economy of Ukraine.

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Babei is the author of more than 280 publications, including three monographs and 57 Author's Certificates for Invention. He educated 22 Doctors of Philosophy and two Doctors of Sciences, and lectured in L'viv universities. He was a member of the specialized Councils for granting scientific degrees in FMI and the Forestry Engineering Academy, a member of the Editorial Board of the journal *Fizyko-Khimichna Mekhanika Materialiv*, and a full member of the Shevchenko Scientific Society in L'viv.

He was awarded by the Charter of the Presidium of the Supreme Rada, medals "For Labor Proves" and "Labor Veteran," E. Paton Prize of the Presidium of NAS of Ukraine.

This scientist and teacher, organizer of science, kind and responsive person, and tireless toiler of Ukrainian science has died.

May his memory live forever!