

INSTITUTE OF FLUID-FLOW MACHINERY
POLISH ACADEMY OF SCIENCES

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TRANSACTIONS OF THE INSTITUTE OF FLUID-FLOW MACHINERY

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Aims and Scope

Transactions of the Institute of Fluid-Flow Machinery have primarily been established to publish papers from four disciplines represented at the Institute of Fluid-Flow Machinery of Polish Academy of Sciences, such as:

- Liquid flows in hydraulic machinery including exploitation problems,
- Gas and liquid flows with heat transport, particularly two-phase flows,
- Various aspects of development of plasma and laser engineering,
- Solid mechanics, machine mechanics including exploitation problems.

The periodical, where originally were published papers describing the research conducted at the Institute, has now appeared to be the place for publication of works by authors both from Poland and abroad. A traditional scope of topics has been preserved.

Only original and written in English works are published, which represent both theoretical and applied sciences. All papers are reviewed by two independent referees.

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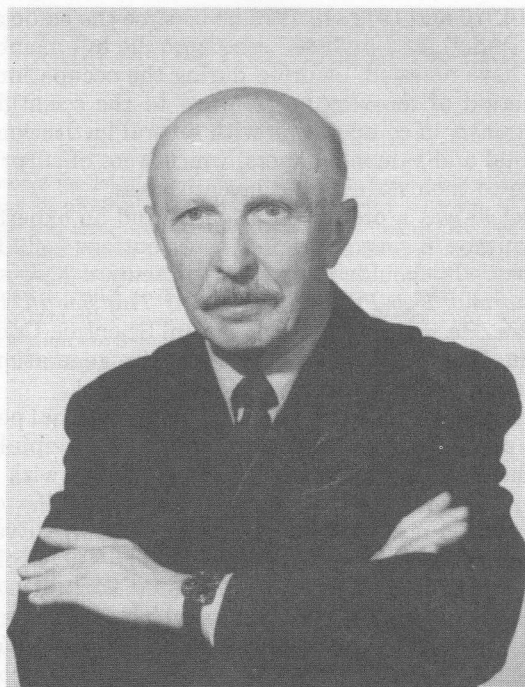
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In Memoriam



Professor Jan Madejski (1925 – 2000)

With a deep sorrow and a feeling of unsurpassed loss we have taken a leave of a worldwide acknowledged scientist – Professor Jan Madejski.

Prof. Jan Madejski was born in 1925 in Książ Wielki to a family of aviation colonel Władysław Madejski. Up to 6 years of age he was brought up in Bydgoszcz, Toruń and Dęblin.

In 1939 he was awarded a promotion to the third grade of State Gymnasium of Stanisław Staszic in Warsaw. In 1941 he entered conspiracy activities and in 1943 he became the head of Kedyw, a Special Division Section of National Army. He took part in battles for the Pommeranian Rampart (Wał Pomorski), where he got seriously injured.

He started studies in 1943 at the undercover Technical University of Warsaw. He worked in the Technical Board of Naval Academy, in the design bureau of marine machinery belonging to ZAMECH, Elbląg. In 1948 he completed studies at the Faculty of Mechanical Engineering of the Technical University of Gdańsk, where he started to work in 1950. In 1954 he took the lead of the Thermal Machinery Department at the Faculty of Mechanical Engineering of Technical University of Gdańsk and simultaneously he headed the Thermodynamics and Heat Transfer Department at the newly established Institute of Fluid-Flow Machinery of the Polish Academy of Sciences in Gdańsk.

In 1965 he published his fundamental monograph titled Theory of heat transfer accomplished in the Institute of Fluid-Flow Machinery and was awarded the Professorship. Next he moved to Rzeszów (1965-1969), where he held several posts as a professor. In the years 1969-1975 he worked in the Institute of Nuclear Research in Świerk, where he was a director between 1970 and 1971. In 1973 he became the associate member of Polish Academy of Sciences (PASci), and in 1986 he became the full member of PASci. During that time the illnesses have revealed, incurred during the occupation, rendering his early retirement. After a period of recovery he returned to the scientific activity, which he continued until his last days, in co-operation with several institutions in the country. He published several original and valuable papers, which were of surprise to the prominent persons in the field due to their novelty and inventiveness.

Professor Jan Madejski was a prominent scientist and an expert in thermodynamics and heat transfer, an author of several original contributions including few monographs and academic textbooks. It should be enough to mention here such works as: *Heat Transfer during Boiling and Two-Phase Flows*, *Heat Transfer in Thermal Turbines*, or *A Treatise on Propellers*. He was a member of several Scientific Committees of PASci as well as several Scientific Boards. He promoted the entire generation of PhD candidates and professors. He was a founder of his own Scientific School.

We have taken leave of an outstanding scientist, an exceptional person with open mind and heart, gifted with several talents, of great kindness and helpfulness but modesty at the same time, a teacher, technician and humanist, a person with enormous authority, not only scientific but also moral one, who served with not manifested advice and knowledge. He gave a lot of himself not expecting anything in return. Even though, as others, he went through own dramas, he never expressed them. The Professor will remain as such in our memories.

It is hard to become acquainted with the loss which touched everyone: his Family, Friends, Colleagues, entire society of Polish thermodynamicists. We will miss Him very much. We take your leave bereaved. We wish to believe dear Professor, that you will leave with us as a model of scarce nowadays virtues and qualities.

Jarosław Mikielewicz
Editor-in Chief