



## GIORGIO PASTORINO

(Dedicated to the 75-th anniversary)

Giorgio Pastorino, Italian scientist, corresponding member of International Thermoelectric Academy, president of company PELTECH srl, Bachelor in Mechanical Engineering, celebrates his 75-th anniversary.

The main lines of his research and developments are related to looking for the opportunities to realize a new concept of thermoelectric assemblies based on the “platform” concept.

“Platform” concept means:

- cost effective solutions;
- quick response to new requirements;
- certainty about performance.

Investigations performed by Giorgio Pastorino allowed finding an ingenious approach to the design of thermoelectric devices (a modular architecture made of a set of basic components with general interface definitions, using identical thermoelectric coupling methods, guided by the constraints of geometry and general assembly methods). Modular components, designed in a special way, are part of the platform’s basic set of parts, including the installed commercial components that are individually characterized with respect to constraints of platform structure. A proprietary mathematical model for predicting performance of any platform assembly has been developed and is maintained together with a database on the platform components’ parameters, properties and costs, thus permitting to conceive new solutions for any special basic operating characteristics with a precise and reliable prediction of parameters and manufacturing cost. Moreover, prototyping a new custom solution corresponds to sampling a new combination of well known elements with the generally known platform architecture, setting the premises for the shortest time-to-market for any solution.

The scientific and development pursuits of Giorgio Pastorino were highly commended at the International exhibition in Italy, 2006. He picked up Dame Design Award Metz (category “Winner”).

Giorgio Pastorino is one of the main organizers of International Workshop on July 14, 2005 in Como in honor of pioneer in thermoelectricity Alessandro Volta.

International Thermoelectric Academy, Institute of Thermoelectricity of the National Academy of Sciences and Ministry of Education and Science, Youth and Sports of Ukraine, “Journal of Thermoelectricity” Publishers congratulate the esteemed Giorgio Pastorino on his glorious jubilee, wishing him good health, creative success and happy longevity.