

FOREWORD

The Tokai University of Japan and the Technical University, Budapest have maintained scientific relations already since more than three years. This contact started with exchanging their publications.

In 1975 the Technical University, Budapest conferred an honorary degree on Professor Shigeyoshi Matsumae, president of the Tokai University for his scientific results, and with this act also the direct personal relations have been established.

Japanese and Hungarian researchers organized common scientific meetings on the most current problems of both countries and universities, respectively. The topic of the first meeting was information theory, the other dealt with automation.

The energy crisis threatening the whole world economics raised the possibility of utilizing regenerating energy sources, first of all geothermal, solar and wind energy, in addition to the conventional fuels (coal, petroleum, natural gas, etc.).

Both Japan and Hungary are poor in primary energy sources, thus the third common Symposium held in Budapest 1978 discussing above problems was of mutual interest.

The Symposium was sponsored by the Institute of Heat and Systems Engineering of the Technical University, Budapest. In our opinion the present special publication of the abridged papers delivered at this Symposium will provide useful information for those interested in it.

Prof. I. SZABÓ

Director of the Institute of Heat and
Systems Engineering, Technical
University, Budapest