

## Professional and Scientific Activity of Prof. László Gábor, Academician

### Architectural design

of living houses, industrial buildings, offices: 6b, Berényi u., 46, Tigris u., 19, Stoczek u., 29, Mártírok útja, 5, Szamos u., 44, Mártírok útja, 1/b, Maros u., Ministry of Interior (actually headquarters of the Hungarian Socialist Workers' Party) etc.

Several first prizes at competitions.

### Scientific works:

#### a) *Papers*

Scientific Method of Measuring Costs in the Building Industry.\* Manuscript. Budapest, 1953.

Structural and Economical Analysis of Blocks of Flats of Different Storey Numbers, Finding the Optimum Rise.\* Manuscript. Budapest, 1954.

Technical and Economical Comparative Examination of Living Houses of Different Types.\* Manuscript. Budapest, 1955.

Quelques problèmes relatifs à la protection des toits contre l'action thermique et la condensation des vapeurs. ÉKME Tud. Közl. 1963 .

Up-to-date Waterproofing and Dampproofing.\* (With co-authors). National Committee of Technical Development. Budapest, 1963.

Centennial History of the Faculty of Architecture. Per. Pol. Arch. Vol. 16 (1972) No. 3—4.

Tasks, Significance and Troubles of Architecture and of the Science of Architecture.\* Magyar Tudomány, No. 7—8. 1972. p. 434—440.

Preface to the Catalogue of the Permanent Collection of Margit Kovács. 1974.

Geburtstagsgruß an Máté Major. Periodica Polytechnica, Arch. Vol. 18. (1974) No. 1—2.

Review of the book "Building Technology I" by László Széll. Műszaki Tudomány, Vol. 49. 1974. p. 479.

\* In Hungarian

- Role of, and Relationship between, Architectural Design and Building Technology in Architectural Creation.\* (Inaugural lecture). *Építés-Építészettudomány*, Vol. VI. (1974) No. 3—4. p. 203—214.
- Scrutiny of Some Highly Actual Design Theory Problems of Housing.\* *Magyar Tudomány*, No. 2, 1974. p. 82—84.
- Architecture, Structure, Manufacture.\* *Építés-Építészettudomány*, Vol. VII. (1975) No. 3—4. p. 275—283.
- Architecture, Structure, Manufacture. *Periodica Polytechnica, Arch.* Vol. 19 (1975) No. 1—2.
- Architectural Problems of Industrialized Building.\* Inaugural address at the meeting of the Hungarian Academy of Sciences, May 20—21, 1976. *Építés-Építészettudomány*, Vol. IX. (1977) No. 1. p. 3—8.
- Situation of Architecture and Science of Architecture in Building, and in Building Industrialization, and its Main Tasks.\* *Magyar Tudomány*, No. 11. 1978, p. 815—822.
- László Széll, 1903 to 1976.\* *Műszaki Tudomány*, Vol. 53 (1977), p. 9—11.
- Sun Shields. *Periodica Polytechnica, Arch.* Vol. 22 (1978) No. 1. p. 1—19.
- The Theory of Blind Design. (Co-author: M. Párkányi). *Periodica Polytechnica, Arch.* Vol. 23 (1979) No. 1. p. 1—34.
- Architecture and Energetics. Thoughts and Report on a Complex Research and Experiment Seeking a Peculiar Solution.\* (Co-author: A. Zöld). *Magyar Tudomány*, No. 11. 1979. p. 842—848.
- Everyday Miracles. The World of Building and its Scientific Peculiarity.\* (Inaugural lecture at the public meeting of the Section of Technical Sciences of the Hungarian Academy of Sciences, February 1980.) In press.
- Technology, Industrialization, Built Environment.\* (Report on the meeting "Interaction between Built Environment and Social-Economical Development in the Urbanization Process" joining the 1981 general assembly of the Hungarian Academy of Sciences.) MTA Műszaki Tudományok Osztálya Közleményei, April 1981, p. 1—11.
- Variability in Industrialized Building. Fundamental Questions of Variability in Design, Manufacture and Assembly. *Periodica Polytechnica, Arch.* Vol. 26 (1982) No. 3—4 (Co-author: M. Párkányi).

#### b) Books

- Roofings and Tinsmithery I—III.\* *Építőipari Könyv- és Lapkiadó*, 1952.
- Building Constructions.\* Vol. I. Tankönyvkiadó, 1960. (Six re-editions.)
- Building Constructions.\* Vol. II. Tankönyvkiadó, 1964. (Four re-editions.)
- Building Constructions.\* Vol. III. Tankönyvkiadó, 1972. (Two re-editions.)

\* In Hungarian

Building Constructions.\* Vol. IV. Tankönyvkiadó, 1979.

Wrought Iron Works. Manuscript.

Partial design and edition, full extenso technical revision of detail plan collections issued by institutions (Lakóterv, Iparterv etc., with co-authors).

Elaboration of so-called standard cost estimates (with co-authors).

Technical and executional specifications of dampproofing works (with co-authors).

Transfer and Reception of Information in Industrialized Building. Introduction into the Theory of Blind Design.\* (Co-author: M. Párkányi). Akadémiai Kiadó, Budapest. 1979. 141 pp.

Energetics in Architecture.\* (Co-author: A. Zöld). Akadémiai Kiadó, Budapest. In press.

Structural Fundamentals of Non-Tectonic Building.\* (Co-author: M. Párkányi). Manuscript. To be published in the rapid monograph series of the Hungarian Academy of Sciences.

*Remark:* Lectures delivered at various institutions, specialist engineering courses, scientific sessions, study trips abroad etc. are not included in this list.

\* In Hungarian.