

CURRICULUM VITAE

Personal

Name: Gyula O.H. Katona

Born: March 16, 1941, Budapest, Hungary

Civil status: Married, two sons (43 and 29).

Address: Alfréd Rényi Institute of Mathematics, Budapest, Reáltanoda u.13-15 PF 127, 1364, Hungary, Phone: (36-1)-483-8318

Citizen and resident of Hungary.

Education, degrees

Several prizes in highschool mathematical contests, including the first Mathematical Olympiade (Romania, 1959).

Several prizes during university studies.

Diploma in Mathematics at the Eötvös Loránd University, Budapest, Hungary, (it corresponds to the MA degree), 1964.

Ph.D. in Mathematics at the Eötvös Loránd University, 1968, advisor: Alfréd Rényi
"Candidate" of the Mathematical Sciences, Hungarian Academy of Sciences, 1972.

Doctor of the Mathematical Sciences, Hungarian Academy of Sciences, 1981.

Corresponding member of the Hungarian Academy of Sciences, 1995.

Ordinary member: 2001.

Positions

Research Associate, Research Institute for Telecommunication, Budapest, 1964-66.

Mathematical Institute of the Hungarian Academy of Sciences, later: Alfréd Rényi Institute of Mathematics, Hungarian Academy of Sciences, Budapest, different positions, 1966–, director in the period 1996-2006.

Part time teaching at the Eötvös L. University, Budapest, 1964-

Visiting positions:

University of North Carolina, Chapel Hill, NC, USA one semester, 1969.

University of Göttingen, Germany, one semester, 1974.

Colorado State University, Fort Collins, CO, USA, one semester, 1978-79.

Mathematical Institute of the Soviet Academy of Sciences, Moscow, 6 months, 1979

Ohio State University, Columbus, OH, 2 quarters, 1985.

University of California, San Diego, La Jolla, CA, USA 2 quarters, 1985-86.

Case Western Reserve University. Cleveland, OH, 2 semesters, 1988-89.

University of Illinois, Urbana-Champaign, Ill, USA, 1 semester, 1993.

University of South Carolina, Columbia, SC, 1-1 semester, 1998, 2004 and 2007,
resp.

University of Memphis, TN, 1 semester, 2001

Memberships in Academies

Member of the European Academy of Sciences

Ordinary member of the Hungarian Academy of Sciences

Foreign member of the Bulgarian Academy of Sciences

Professional Activities

Member of the Editorial Boards of the following Journals:

Journal of Statistical Planning and Inference (USA),

Discrete Mathematics (USA),

European Journal of Combinatorics (France), till 1996,

Combinatorica (Hungary),

Random Structures and Algorithms (Poland-USA),

Studia Sci. Math. Hungar. (Editor-in-Chief between 1996-2006, Hungary)

Acta Mathematica Hungarica (Hungary),

Serdica Journal of Computing (Bulgaria),

Central European Journal of Mathematics (Poland),

Journal of Statistical Theory and Practice (USA),

AKCE International Journal of Graphs and Combinatorics (India),

Matematikai Lapok (Mathematical Pages, Editor-in-Chief, in Hungarian, the “official” journal of the Bolyai János Mathematical Society)

Alkalmazott Matematikai Lapok (Applied Mathematical Pages, in Hungarian), (Hungary),

Discussiones Mathematicae (Graph Theory) (Poland).

Opuscula Mathematica (Poland)

Asian-European Journal of Mathematics (Hong Kong)

Advances in Natural Sciences (Vietnam)

Secretary-General of the Bolyai János Mathematical Society, Hungary from 1990 to 1996, its President since 2006.

Chairman of the Organizing Committee of the Second European Congress of Mathematics, Budapest, 1996.

Organizer of about 15 conferences, in half of them as the chairman of the organizing committee.

Member of the Scientific Advisory Committee of the Banach Institute, Warsaw 1996-2001.

Member of the Scientific Advisory Committee of the Mathematical Institute of the Academia Sinica, Taipei, Taiwan, 2005-2007.

Awards

Grünwald Prize (1966 and 1968), awarded by the Bolyai Math. Society to young mathematicians for outstanding achievements in theoretical mathematics,

Rényi Prize, awarded by the Mathematical Institute of the Hungarian Academy of Sciences, 1975,

Szele Tibor medal, awarded by the Bolyai Math. Society for educating the new generation of scientists.

Prize of the Academy, awarded by the Hungarian Academy of Sciences, 1989.
Prize of METESZ (Federation of Technical and Scientific Societies), 1997
Ernst Moritz Arndt Medal of the Rostock University,
Order of Merit of the Hungarian Republic (civilian), Officer Cross Awarded by the
President of Hungary, 2004
Széchenyi Prize, awarded by the President of Hungary, 2005

Research Interest

Combinatorics. Mainly extremal problems for graphs and hypergraphs, connections
to probability theory and measure theory,
Theory of databases,
Search theory.
Cryptography

Languages

Fluent in English, Russian, Polish, and Hungarian, weak in German.

Publications

See the attached list. It is worth mentioning that publication [7] is reprinted in the
volume *Classic Papers in Combinatorics* edited by I. Gessel and G.-C. Rota (Birkhauser,
Boston, 1987). More than 800 papers of other authors quote these papers.

Students

The best known students from the past are Zs. Baranyai, P. Frankl, L. Gyórfi, E.
Gyóri, Z. Füredi and L. Pyber. Some recent doctoral students: Ákos Kisvölcsy, Gábor
Wiener, Krisztián Tichler, Balázs Patkós. Present doctoral students: Péter Gergely, Dániel
Gerbner, Gergely Kiss, Vajk Szécsi, Attila Balaton.

March 19, 2009

Gyula O.H. Katona