

**LAUDATION TO
Professor Sándor Fridli
on his sixtieth birthday**

by Péter Simon (Budapest, Hungary)

Sándor Fridli was born in Szentgotthárd on the 6th of April, 1958. He graduated with award and received his diploma in mathematics and physics at Eötvös Loránd University (ELTE, Budapest, Hungary). After graduation he started his professional carrier in mathematics under my supervision, and earned his university doctor degree in 1984. Based on his result in mathematics he received the candidate of mathematical sciences degree in 1994. This was followed by habilitation (Habil.) in 2013, and the Doctor of Science (Dsc, Hungarian Academy of Sciences) degree in 2015.

After two years of science scholarship at the Department of Analysis II of Faculty of Sciences at ELTE between 1982 and 1984 he obtained a position as assistant professor. In 1986 he joined the Department of Numerical Analysis (Faculty of Sciences, -2002; Faculty of Informatics, 2002-) at ELTE and works there ever since. Rising through the ranks, after being associate professor between 1995 and 2014, he became professor. He has been the head of the department since 2015.

In the past 35 years he carried out an academic career of the highest standards, both in scientific and in didactic terms. His accomplishments are acknowledged by his colleagues and students alike. As an educator he made significant contributions to the modernization and development of several courses in the Computer Science (ELTE, Faculty of Informatics) and Applied Mathematics (ELTE, Faculty of Sciences) training programmes. For example, as a result of his efforts a new analog and digital signal processing course, an important and relevant area, was added to the training spectrum of the Faculty of Informatics. In the Doctorate School program of the Faculty of Informatics he teaches courses, and supervises the research of PhD students. He helps talented students in their project in the Scientific Students' Associations.

He spent three academic years (visiting assistant professor in 1989/90, and associate professor in 1995/96 at the University of Tennessee, Knoxville, TN,

USA, and visiting professor in 2000/01 at the University of Colorado, Colorado Springs, CO, USA) as visiting scholar in US universities. He utilized the gathered academic experience well in the English programme of the Faculty of Informatics, and in nurturing and expanding the international relations of the Department of Numerical Analysis. His regular public service in different committees and in the Faculty Council has been highly effective and advantageous. As the head of the department he takes an active role in the leadership of the faculty.

Most of his scientific work is connected to the areas of Fourier analysis and approximation theory. In recent years, he successfully utilized the results of these fields in solving problems related to digital signal and image processing, and in the mathematical modeling of various practical and applied problems. These results served as the foundations of productive longer term projects. For instance, the development of novel methods for representing and compressing ECG signals, with involving PhD students, opened new perspectives in this topic. Up to now, his results are published in 45 scientific publications, the majority of them as articles in highly acclaimed international journals, and are being referenced by 280 works. For example, the sequence spaces he introduced were used by several renown theorists in the study of differential operators and Hardy spaces. He was invited to give talks at numerous foreign universities and institutes, and regularly participates in international conferences, sometimes as a plenary speaker. He is an active member of the Hungarian and the international scientific community. His further contributions include the leadership of various scientific tenders, writing article reviews for domestic and foreign journals and involvement in scientific qualification procedures.

For his exceptional performances as a student, educator and researcher, he was awarded the *Felsőktatási Tanulmányi Érdemérem* (1982, minister, Ministry of Education), the *Rényi Kató award* (1982, Bolyai Society), the *Alexits György Prize* (1996, Section of Mathematics, Hungarian Academy of Sciences), the *Széchenyi Professzori Professorship* (1997-2001, minister, Ministry of Education), the *Outstanding Teacher of The Faculty of Informatics* title (2008, Student Union of Faculty of Informatics), and *Szent-Györgyi Albert award* (2018, minister, Ministry of Human Capacities).