PROFESSOR DIMITRIE D. STANCU, AT HIS 75th BIRTHDAY ANNIVERSARY

GHEORGHE COMAN, IOAN A. RUS AND LEON ŢÂMBULEA

Dedicated to Professor D.D. Stancu on his 75th birthday

1. We present briefly a short vita, the career and some of the research activity of professor D.D. Stancu in approximation theory, numerical analysis and probability theory.

He was born on February 11, 1927 in the township Călacea, Timiş District, Romania, in a farmer's family. In the first years he had many difficulties, but with the help of his mathematics teacher he succeeded to study in the prestigious Lyceum "Moise Nicoară", from the city Arad.

In the period 1947-1951 he studied at University "Victor Babeş", from Cluj, Romania. When he was a student he was mostly under the influence of academician professor Tiberiu Popoviciu (1906-1975), a great master of numerical analysis and approximation theory. This has strongly influenced and stimulated his research work.

After his graduation, in 1951, he was named assistant at the Department of Mathematics, University "Victor Babeş", Cluj.

He has obtained the Ph. D. in Mathematics in 1956. His advisor for the doctoral dissertation was professor Tiberiu Popoviciu.

In a normal succession, he advanced up to the rank of full professor, in 1969.

He was happy to benefite from fellowship at the University of Wisconsin, at Madison, Numerical Analysis Department, conducted by the late professor Preston C. Hammer. He spent at the University of Wisconsin, in Madison, the academic year 1961-1962.

Professor D.D. Stancu has participated in different events in the USA; among them we mention that he has presented contributed papers at several regional meetings of the American Mathematical Society held in Chicago, Milwakee and New York.

He has a nice family. His wife, dr. Felicia Stancu was a lecturer of mathematics at the same University. They have two daughters: Angela (1957) and Mirela (1958), both teaching mathematics at secondary schools in Cluj-Napoca. From them they have three grandchildren: Alexandru (1983) and George (1992) (the sons of Mirela) and Ștefana (1991) (the daughter of Angela).

Professor D.D. Stancu has taught several courses at the University "Babeș-Bolyai", Cluj-Napoca: Mathematical Analysis, Numerical Analysis, Approximation Theory, Probability Theory and Constructive Theory of Functions.

He has used probabilistic methods in Approximation Theory of Functions. He had a large number of doctoral students, from Romania and abroad.

Besides the United States, Professor D.D. Stancu, he has participated in many scientific events in Germany (Stuttgart, Hannover, Hamburg, Goettingen, Dortmund, Münster, Siegen, Würzburg, Berlin, Oberwolfach), Italy (Roma, Napoli, Potenza, L'Aquila), England (Lancaster, Durham), Hungary (Budapest), France (Paris), Bulgaria (Sofia, Varna), Czech Republic (Brno).

His publication lists about 120 items.

There are more than 50 papers where his name is included in their titles.

Since 1961 he is a member of American Mathematical Society. He is also a member of the society: "Gesellschaft für Angewandte Mathematik und Mechanik" (Germany).

He is for many years a reviewer of the journals: "Mathematical Reviews" (USA) and "Zentralblatt für Mathematik" (Germany).

He is Editor in Chief of Revue d'Analyse Numérique et de Théorie de l'Approximation" (Cluj-Napoca, Romania) and a member of the Editorial Board of the Italian journal Calcolo, published by Springer-Verlag.

In 1968 he has obtained one of the Research Awards of the Department of Education in Bucharest, for his research work in Numerical Analysis and Approximation Theory.

University "Lucian Blaga", from Sibiu, has accorded him, in 1995, the scientific title of Doctor Honoris Causa.

In 1999 Professor D.D. Stancu has been elected a Honorary Member of the Romanian Academy of Sciences.

In August 1999 he has participated at the "Alexits Memorial Conference" in Budapest.

In May, 2000 he has participated at the International Simposium on "Trends in Approximation Theory", dedicated to the 60th birthday anniversary of Professor Larry L. Schumacher. He has presented a contributed paper, in collaboration with Professor J. Wanzer Drane, from University of South Carolina, Columbia, S.C.

In June 2000 Professor D.D. Stancu was invited to present colloquium talks at several American Universities: Ohio State University, Columbus, OH., University of South Carolina, Columbia, S.C., Vanderbilt University, Nasville, TN., PACE University, Pleasantville, N.Y.

The main contributions in research work of D.D. Stancu fall into the following list of topics: Interpolation Theory, Numerical differentiation, Orthogonal Polynomials, Numerical quadreatures and cubatures, Taylor-type expansions, Approximation of functions by linear positive operators, Representation of remainders in linear approximation formulas, Probabilistic methods for construction and investigation of linear positive operators of approximation, Use of interpolation and calculus of finite differences in probability theory and mathematical statistics.

In 1996, Professor D.D. Stancu has organized in Cluj-Napoca, an "International Conference on Approximation and Optimization", in conjonction with the Second European Congress of Mathematics, held in Budapest.

At present he and his colleagues are organizing an "International Symposium on Numerical Analysis and Approximation Theory" (May 9-11, University Babeş-Bolyai, Cluj-Napoca, Romania).

His intensive research work and his important results obtained in Numerical Analysis and Approximation Theory has brought him recognition in his country and abroad.

We conclude by wishing to DiDi Stancu many fruitfull and happy years, with health and satisfactions in his research work.

3. SCIENTIFIC PAPERS CONTAINING IN THE TITLE THE NAME OF D. D. STANCU

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"BABEŞ-BOLYAI" UNIVERSITY, FACULTY OF MATHEMATICS AND INFORMATICS, STR. KOGĂLNICEANU NO.1, 3400 CLUJ-NAPOCA, ROMANIA