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Vratislav Horálek

In memoriam of Jiří Likeš

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## NEWS AND NOTICES

## IN MEMORIAM OF JIŘÍ LIKEŠ

VRATISLAV HORÁLEK

Prof. Ing. Jiří Likeš, DrSc., Dean of the Faculty of Information and Statistics of the Economic University in Prague, died on November 25th, 1994. He continued his scientific work almost up to the last day of his life full of energy and ability to provide important impulses to the theory of probability and mathematical statistics and their applications.

Jiří Likeš was born on November 15th, 1929, in Květinov near Havlíčkův Brod in the Czech Republic. He received his secondary school education in Havlíčkův Brod, his university education in Prague, graduating in Engineering from the Technical University in Prague, Faculty of Special Sciences (1952) and earning a PhD (1965) and a DrSc (1991) from the Economic University in Prague. His teaching activity began in the Department of Theory of Probability and Mathematical Statistics of the Faculty of Mathematics and Physics, Charles University in Prague, immediately after he had completed his university studies and, from 1960, continued in the Department of Statistics of the Economic University where he was appointed Associate Professor (1968) and then Full Professor (1990). From 1955 till 1960 he was research worker and later Head of the Department of Applied Statistics in the Iron and Steel Research Institute in Prague. In 1991 he succeeded in realizing his idea to establish the Faculty of Informatics and Statistics and was nominated for its first dean. In 1994 he was elected to this office for a second term.

The scientific work of Jiří Likeš includes solutions of various problems in theory of probability, mathematical statistics and stereology, as well as their applications to metallurgy, metallography, chemistry, economy, business, standardization and quality control. His original scientific results are associated especially with the theory of design of experiments. Tukey's method of multiple comparisons, regression analysis, order statistics, distribution of Dixon's statistics, distribution-free tolerance intervals, theory of queues, estimation of quantiles, life testing, stereology of particles, material structure evaluation, and sampling methods applied in quality control. He wrote 114 scientific papers and research reports in the above mentioned fields, 27 of

them were published in renowned scientific journals such as *Technometrics*, *The Journal of the American Statistical Association*, *Annals of the Institute of Statistical Mathematics*, *Metrika*, *Biometrics*, *Biometrische Zeitschrift*, *Statistics*, *Statistische Hefte*, *Revue de Statistique Appliquée*, *Acta Technica Hungaricae*, *Zavodskaja Laboratorija*, *Applications of Mathematics*, *Acta Technica ČSAV*, *Metallic Materials* etc. His papers have been cited in many books (e.g. V. Barnett "Outliers in Statistical Data", J. Wiley 1970; D.M. Hawkins "Identifications of Outliers", Chapman 1980; S. Kotz, N.L. Johnson "Encyclopedia of Statistical Sciences", J. Wiley 1982–88). Moreover, he contributed to Czech statistical literature through his books "Design of Experiments" (awarded the Prize of the Publishing House of Technical Literature, 1968), "Principles of Theory of Probability and Mathematical Statistics" (1972 and 1974; prepared in cooperation with J. Hátle), "Basic Statistical Tables" (1976; prepared in cooperation with J. Laga), "Theory of Probability" (1981) and "Mathematical Statistics" (1993; both prepared in cooperation with J. Machek). During the last fifteen years he collaborated with the Bureau for Standardization and Measurement in preparing standards on sampling methods in quality control, and was member of the Technical Committee for Applications of Statistical Methods established at this Bureau as a consulting body. He was also member of the board of the Czech Statistical Society.

Jiří Likeš was a hard-working and devoted scientist endowed with extraordinary ability of finding a common language between theory and practice. In his pleasant, warmhearted way he liked to discuss problems, being also an excellent listener. He was able to win the others over for his opinion but, on the other hand, was always ready to let himself be convinced by other people's material and well-substantiated arguments.

Professor Jiří Likeš and his work will be always remembered with respect and gratitude by his numerous colleagues, students and friends.