Curriculum Vitae
József Dombi

Personal data: born on February 1. 1948. in Zalaegerszeg, Hungary.

Professional experience:

1972-1975	Kalmár László Cybernetic Institute – program developer
1975-1994	Automation Theoretical Research Group of Hungarian Academy of Sciences - scientific collaborator
1994-	University of Szeged, Department of Applied Informatics – associate professor

Foundation and social activity:
Member and representative of Foundation of Hungarian Humboldt Scholars (1997)
Member of Hungarian Academy of Sciences (operation research), MOT (Hungarian Operation Research Society)
Member and president of the Education Committee at University of Szeged 1995-97,
Member of Ph.D. Committee
Expert position at the Council of Szeged

Fellowships:
Leningrad (1971, 6 month);
Leipzig (1974, 6 month programmer course);
Bukarest (1978, 1 month);
Aachen (1978, 12 month) DAAD fellowship;
Aachen (1986, 12 month) Alexander von Humboldt scolarship;
Bristol (1987, 3 month) European scolarship England;
Hungarian Academy exchange program (Paris 2, Helsinki 1, Turku 2, Tampere 1-1 occasion)

Scientific degrees:
M. Sc. degree mathematician (1972)
Ph.D. degree (1977, Summa cum laude)
CSC degree Candidate of the mathematical science (1994, title of dissertation: The structure of the operators of fuzzy sets in the respect of multiple criteria decisions)

Knowledge of languages:
English (fluent)
German (fluent)
Russian (reading)

Research area: Artificial Intelligence, Operation Research

Professional results: Publication: 54, Lectures: 74, Article, book references: 148.

Teaching results: 21 students have won prizes in informatics section of National Scientific Conference of Students with my direction, 8 of them have won I. prize and two students have got Pro Sciencia prize.

Scientific prizes:
Master of topic leader of students (1991).
The president of Hungarian Academy of Sciences and the Minister of Education gave a charter to me because my student had got Pro Sciencia medal (1997),
Kalmár László prize for my activity in informatics (1998).

Research projects:
OTKA 501 (Mathematical and informatical examination of learning theory)
MKM 220 (Lay the foundation of valuation theory)
FEFA V 2031 (Establishing computer cabinet)

AMFK 399/95 (Multi-criteria decision support with artificial intelligence procedures)
OTKA T 020150 (Valuation theory)
Conference support (3 times).

International research project: member of ESPRIT project (1997)

Membership in international organizations:
IFSA (International Fuzzy System Association)
ESIGMA (European Special Interest Group on Multicriteria Analysis)
European Working Group on Multiple Criteria Decision Aid

Editor membership: member of editors at the Journal of Foundations of Computing and Decision Sciences until 1997.

Referee at scientific journals: Fuzzy Sets and System, European Journal of Operation Research, IEEE Transaction on Systems, Man, and Cybernetics, Journal of Multi-Criteria Decision Analysis, International Journal of Uncertainty, Fuzziness and Knowledge-based Systems.

Referee of the thesis of scientific degrees: CSC degree (1), Ph.D. degree (2), Ph.D. degree of foreign researcher (1)

High professional consultant: topic leader of Ph.D. thesis (2 occasions)

Scientific results: working out of cognitive models, developing laser models for the Department of Experimental Physics of the university, mathematical describe of hydrogen atom transfer reactions, Bound Strength-Bound Length (BSBL) instead of the previous Bound Energy Bound Order (BEBO) system (1975-1978), describe of more than 150 compounds, examination of fuzzy sets and the features of fuzzy implication, working out of DeMorgan identity in many-valued logic, axiomatic foundation of associative aggregation, examination of membership function and operators (Modalities), developing of new typed genetic algorithms, foundation of pliant logic.

Teaching: Artificial intelligence, Theory of fuzzy sets, Multi-criteria and group decision theory, Neural networks, Genetic algorithms, Decision trees, Data mining, Visualization tools, Numerical analysis

Business:

1993-2000	Founder and research director of Cygron Research and Developing Ltd.
1998	For the sake of quicker development Cygron Ltd. had become the part of Mindmaker Inc.
2000-	Research consultant of Mindmaker Ltd.

Activity:
Program for the Council of Szeged dealing with social decision aids
Analytical program for KPMG in Brussels
Consumption's indication program based on neural theory for Electricity Company
Graphicon program dealing with analysis of functions
DataScope program, which is a visualization tool and visual query system
DecArt program, which is a decision support tool.

Results:
DataScope won the European Information Technology prize in Brussels (1997), which was given by Jacques Santel, the president of European Union
The new version of DataScope won the best software prize on the COMDEX in Las Vegas (1999).

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