LAUDATION TO
Professor András Benczúr
on his eightieth anniversary

by Attila Kiss and Bálint Molnár (Budapest, Hungary)

Ten years ago, we solemnly celebrated the seventieth birthday of Professor András Benczúr at a university memorial conference and in dedicated volume in this Journal, (**42** (2014) 5–8).

A detailed description of his activities are available to download at:

http://irtsz.elte.hu/index.php/en/andras-benczur-bio/

After his retirement, he was given the honorary title of Professor Emeritus. He continued to actively supervise doctoral students and direct their research. He was continuously involved in the work of the Doctoral School as Head of the Information Systems Programme. After retiring in 2014, he continued his scientific research and publishing activities, publishing 24 papers with his coauthors and Ph.D. students. Three PhD students graduated under his supervision, two of them in co-supervision in the past ten years. Besides the active research work, he continued his work in scientific organizations. András Benczúr is the chair of the ACM Hungarian Chapter. He continues to be an active member of the Computer Science Committee of the Hungarian Academy of Sciences (HAS). The Hungarian ACM Chapter closely cooperates with the Computer Science Committee of the Hungarian Academy of Sciences (MTA) in organizing events, and scientific conferences under its auspices.

He undertook the role of Guest Editor of a Special Issue of MDPI Mathematics in 2022-2024 to provide publication opportunities for doctoral students. He manages "Pázmány-Eötvös Természettudományi Információs Alapítvány" (Pázmány-Eötvös Foundation for Natural and Information Sciences) that supports grants and university awards. He helped his students and colleagues by providing inspiring research ideas. Many researchers from our faculty and university, including ourselves, are indebted to him for his helping hand. Even though Professor Benczúr is 80 years old, he still has more work to do as a Professor Emeritus and we hope to continue his mission for a significant time.

CONTINUATION OF LIST OF PUBLICATIONS

András Benczúr

The first part of the list of publications is published in *Annales Univ. Sci. Budapest., Sect. Comp.*, **42** (2014) 9–17.

[96] Towards a normal form for extended relations defined by regular expressions, In: Manolopoulos, Yannis; Trajcevski, Goce; Kon-Popovska, Margita (eds.) *Advances in Databases and Information Systems: 18th East European Conference, ADBIS 2014, Ohrid, Macedonia, September 7–10, 2014.* Proceedings Cham, Svájc: Springer-Verlag (2014) 404, pp. 11–24. (with Gy.I. Szabó)

[97] Investigation of system of criteria within selection processes for ERP systems: A Middle-European perspective, *Infocommunications Journal*, **6** (2014), 26–35. (with B. Molnár and Gy. Szabó)

[98] Functional dependencies on extended relations defined by regular languages, *Annals of Mathematics and Artificial Intelligence*, **73(1-2)** (2015), 205–243. (with Gy.I. Szabó)

[99] Modeling information systems from the viewpoint of active documents: Proposal for a modeling approach putting emphasis on the ubiquitous documents, *Vietnam Journal of Computer Science*, **2(4)** (2015), 229–241. (with B. Molnár)

[100] A document centric approach for analysis and design of E-government systems, *Lecture notes in Computer Science*, **9265** (2015), 319–333. (with B. Molnár)

[101] Document centric modeling of information systems, *Procedia Computer Science*, **64** (2015), 369–378. (with B. Molnár)

[102] A model for analysis and design of information systems based on a document centric approach, *Lecture Notes in Computer Science*, **9621** (2016), 290–299. (with B. Molnár and A. Béleczki)

[103] Application of legal ontologies based approaches for procedural side of public administration: A case study in Hungary, *Lecture Notes in Computer Science*, **9831** (2016), 135–149. (with B. Molnár and A. Béleczki)

[104] Formal approach to modeling of modern information systems, *International Journal of Information Systems and Project Management*, **4(4)** (2016), 69–89. (with B. Molnár and A. Béleczki)

[105] Mátyás Arató (1931–2015) (in Hungarian), *Alkalmazott Matematikai Lapok*, **34** (2017), 1–19.

[106] From the appearance of "The Computer and the Brain" to the revolution of the infosphere (in Hungarian), in: *Érintő – elektronikus Matematikai Lapok*, 2017, pp. 26.

[107] Information systems modelling based on graph-theoretic background, *Journal of Information and Telecommunication*, **2(1)** (2018), 68–90. (with B. Molnár and A. Béleczki)

[108] Preface, *Lecture Notes in Artificial Intelligence*, 11019 LNCS (2018), pp. IX-X. (with B. Thalheim and T. Horváth)

[109] *Advances in Databases and Information Systems: 22nd European Conference, ADBIS 2018*, Budapest, Hungary, September 2-–5, 2018, Proceedings, Lecture Notes in Computer Science **11019**, Springer, 2018, pp. 313. Editors: A. Benczúr, B. Thalheim and T. Horváth.

[110] On the notion of information - Info-sphere, The world of formations, In: IEEE (ed.) *9th IEEE International Conference on Cognitive Infocommunications, (CogInfoCom)*, Piscataway (NJ), USA: IEEE **428** (2018), 33–38. (with B. Molnár)

[111] A semi-automatic semantic consistency-checking method for learning ontology from relational database, *Information (Basel)*, **12(5)** Paper: 188 (2021), p. 17. (with Ch. Ma and B. Molnár)

[112] On the Carriers of Information: Information from a New Perspective, Part 1. On the Relationship of Information, Formations, and the Infosphere (in Hungarian), *Magyar Tudomány*, **182(6)** (2021), 717–731.

[113] On the Carriers of Information: Information from a New Perspective, Part 2. On the Relationship of Information, Computation and Informatics (in Hungarian), *Magyar Tudomány*, **182(7)** (2021), 945–959.

[114] On the carriers of information (formations, infospher, computation), In: E. Csuhaj-Varjú and P. Sziklai (eds.) *Conference on Developments in Computer Science: Budapest, Hungary, June 17–19, 2021*, Proceedings Budapest, Magyarország: Eötvös Loránd University, Faculty of Informatics (2021) pp. 11–15.

[115] The application of directed hyper-graphs for analysis of models of information systems, *Mathematics*, **10(5)** Paper: 759, 47 p. (2022) (with B. Molnár)

[116] Knowledge enriched schema matching framework for heterogeneous data integration In: I. Fazekas (ed.) *2022 IEEE 2nd Conference on Information Technology and Data Science* (*CITDS*), Proceedings Piscataway (NJ), USA: Institute of Electrical and Electronics Engineers (IEEE) (2022) 337 pp. 183–188. (with C. Ma, B. Molnár, Á. Tarcsi)

[117] The use of M2P in business process improvement and optimization In: E. Zumpano, et al. (eds.) *New Trends in Database and Information Systems: ADBIS 2022 Short Papers*, Doctoral Consortium and Workshops: DO-ING, K-GALS, MADEISD, MegaData, SWODCH, Turin, Italy, September 5--8, 2022, Proceedings Cham, Svájc : Springer-Verlag (2022) pp. 109-118. Paper: Chapter 11, 10 p. (with M. Kherbouche, Y. Zghal and B. Molnár)

[118] On extended nested relational schemas generated by context-free grammars, In: C. Bipin, et al. (eds.) *26th International Database Engineered Applications Symposium: IDEAS 2022*, New York, USA: ACM (2022) pp. 84–93. (with Gy.I. Szabó)

[119] From the appearance of "The Computer and the Brain" to the revolution of the infosphere, In: A. Szakál (ed.) *IEEE 23rd International Symposium on Computational Intelligence and Informatics* (*CINTI 2023*), Proceedings Danvers (MA), USA: IEEE (2023) pp. 159–164.