

# CURRICULUM VITAE

**Applicant:** Prof. RNDr. Jaroslav Pokorný, CSc.

- born in 1948, Jaroměř, Czechoslovakia

## **Qualifications:**

- PhD in Theoretical Cybernetics (1984), RNDr. in Math. (1982), Mgr. in Num. Math. (1971) (all at the Faculty of Mathematics and Physics, Charles University (CU) in Prague)

## **Professional experience:**

- 1971-1974: system programmer in the Research Institute of Mathematical Machines, Prague
- 1974-1982: project manager of Educational Information Systems at the Czech TU, Prague
- 1982-1993: assistant professor at MFF UK
- 1986-1991: visiting scientist in the Institute for Computer Science and Computation Technique of the Czechoslovak Academy of Science
- 1993-1999: associate professor at MFF UK
- 1999-now: full professor of computer science at the Faculty of Mathematics and Physics at CU (MFF UK), Head of its Department of Software Engineering till 2006, Vice-head till 2009;
- 1999-2013: visiting professor at the Faculty of Electrical Engineering of the Czech Technical University, Prague.
- 1993-2006: Head of Department of Software Engineering
- 2008-2012: Deputy-Dean and Vice-Dean for research and international affairs of MFF UK

## **Research grants:**

- 2004-2006: "Intelligent Information Retrieval" (princ. inv.) - Grant Agency of the Czech Republic (GAČR)
- 2004-2008: "Intelligent Models, Algorithms, Methods and Tools for the Semantic Web Realization" (MFF UK inv.) - Project of the Program of the Information Society No. 1ET100300419
- 2006-2008: "Development of a Native Storage for XML Data" (princ. inv.) - GAČR
- 2009-2011: "XML data processing" (princ. inv.) - GAČR
- 2013-2015: "Highly Scalable Parallel and Distributed Methods of Data processing in e-science" (princ. inv.) - GAČR

## **Research and teaching experience:**

- *Publications:* more than 330 papers and books (57 recorded in WoS, H-index reported by WoS: 8, by Google Scholar H-index=24, by Scopus H-index=14) on data modeling, relational databases, query languages, XML technologies, social networks, data organization, and Big Data.
- *Permanent reviewing activities:* Zentralblatt für Mathematik, Computing Reviews, in journals: Computing and Informatics, Journal of Systems Integration
- *Invited lectures at universities and conferences:* University of Iceland (Reykjavik), University of Twente (Enschede), University of Leipzig, University of Technology Sydney, Aristoteles University of Thessaloniki, Free University of Bozen-Bolzano, Valencia University of Technology, University of Boise (Idaho), Ton Duc Thang University (Ho Chi Minh City), Latvia University of Agriculture (Jelgava, Latvia), University of Applied Sciences (Vienna, Austria), Griffith University (Australia), ISSESS 2017, AICT 2013, ECDM 2013, iiWAS 2013, CISIM 2014, Baltic 2014, etc.
- *Memberships in program and organizing committees:* e.g. ISD, ADBIS, SOFSEM, DATAKON, BIS, DEXA, BALTIC DB&IS, SITIS, EDBT, CISIM, iiWAS, etc.
- *Current research interests:* semistructured data, Web technologies, storage and processing Big Data, NoSQL databases, parallel and distributed data processing, graph databases,
- *Courses:* Databases, Query Languages, XML technologies, Text processing, Data structures.

## **Other activities:**

- *Conference organization:* ADBIS-DASFAA (2000), EDBT (2002), ClustWeb in conjunction with EDBT (2004), Web X.0 and Web Mining in conjunction with IEEE ICDIM (2007), ICADIWT (co-organizer in 2008), ISD (2010), ADBIS (program co-organizer 2013), ADBIS (general chair 2016), WISE (co-organizer in 2014), SOFSEM (program co-organizer 2015).
- *Memberships in professional organizations:* ACM, IEEE, Czech Society for Cybernetics and Informatics, Czech Society for Systems Integration, national representative in IFIP.
- *Memberships in Scientific Boards:* Faculty of Applied Sciences (University of West Bohemia), Faculty of Information Technology (Czech technical University), VŠB – Technical University of Ostrava, IT4Innovations, Faculty of Informatics and Management (University of Hradec Králové), LLU Advisory Board (Jelgava, Latvia)
- *Other memberships:* national representative in IFIP