Curriculum Vitae

Name: Horváth László	Date of birth: 20 June, 1945

Education:

Degree and profession: Master of Science in Mechanical Engineering equivalent degree from Technical University of Budapest (BME), 1971

Workplace(s):

Current position:
Óbuda University, John von Neumann Faculty of Informatics, Institute of Intelligent Engineering Systems – Full university professor.

Scientific degree:

CSc degree in technical science, Hungarian Academy of Science, 1993

PhD, in engineering, Budapest University of Technology and Economics, 2002

Dr. habil, University of West Hungary, 2004

Scholarships:

Széchenyi Professor Scholarship, 1998

Teaching skill (in Hungarian and foreign language):

In Hungarian

    Automatizált gyártás, 1992-1998

    Műszaki tervezés rendszerei 1995-2005

    Mérnöki objektumok leírása és elemzése virtuális terekben 2006-

    Modellezés és tervezés, 2006-

    A virtuális technológia alapjai 2005-

    CAD/CAM modellezés alapjai 1998-2010

    Forgácsolástechnológia számítógépes tervezése 1998-2010

    Számítógépes tervezőrendszerek 2010-

    Modellezés és szimuláció 2010-

In English as evidence of my practice as lecturer in English language:

    Modules for course Beng. in Integrated Engineering, franchised from the Nottingham Trent University:

        Manufacturing Engineering 1A 1993-2006

        Manufacturing Engineering 1B 1994-2006

        Manufacturing and materials Engineering 1995-2006

    Course in Computer Science and Engineering BSc

        Introduction to Virtual Engineering 2005-

Professional practice:

Research results:

    The Hungarian Scientific Research Fund (Hungarian abbreviation: OTKA) research and project leading:

        Representation of design intent in product model and collaborative information exchange, 1998- 2002, OTKA T 026090

Theoretical grounding and development of intelligent, environment adaptive objects in highly integrated product models, 2002-2005, OTKA T037304.

Theoretical analysis and grounding of selected virtual engineering processes in novel approach, a 2008-2011, OTKA K68029

Development of computer aided manufacturing process planning systems, 1981-1991.

Publications:

Statistics of publications in English language:

Books and book chapters 3, papers in books 13, journal papers 31, proceedings of conferences with worldwide participation 39, proceedings of other international conferences 150, citations for these publications 196.

a) Five most important publications during the past five years:

L. Horváth and I. J. Rudas, "Knowledge Technology for Product Modeling,"Chapter 5 of the book Knowledge in Context – Few Faces of the Knowledge Society, Walters Kluwer, 2010, ISBN 978-80-8078-339-6, pp. 113-137.

László Horváth and Imre J. Rudas, "Human Intent Representation in Knowledge Intensive Product Model," in Journal of Computers, ISSN: 1796-203X, Vol. 4 No. 9, pp. 954-961, (2009).

L. Horváth, "Restricting Factors at Modification of Parameters of Associative Engineering Objects," In book Intelligent Engineering Systems and Computational Cybernetics, Springer-Verlag, Berlin, Heidelberg, ISBN: 978-1-4020-8677-9, 2009, pp. 387-397.

L. Horváth, "Supporting Lifecycle Management of Product Data by Organized Descriptions and Behavior Definitions of Engineering Objects," in Journal of Advanced Computational Intelligene and Intelligent Informatics, Tokyo, ISSN: 1343-0130, Vol. 9. No. 11, 1107-1113 (2007).

L. Horváth, I. J. Rudas, "Course Modeling for Student Profile Based Flexible Higher Education on the Internet," in Journal of Universal Computer Science, (IF= 0,337), 12(9), 1254-1266 (2006)

b) Most important other life publications:

L. Horváth, I. J. Rudas, Modeling and Problem Solving Methods for Engineers, ISBN 0-12-602250-X, Elsevier, Academic Press, New York, etc., 2004, p. 330

L. Horváth, I. J. Rudas, J. F. Bitó, G. Hancke, Intelligent Computing for the Management of Changes in Industrial Engineering Modeling Processes, Computing and Informatics, (IF=0,091) 24(1), 1001–1013 (2005)

I. J. Rudas, L. Horváth, Modeling of Manufacturing Processes Using Petri Net Representation, Engineering Applications of Artificial Intelligence, (IF= 0,709), 10(3), 243-255 (1997).

L. Horváth, I. J. Rudas, Modeling of Manufacturing Processes in Simultaneous Engineering Using Collaborative Methods and Tools, 321-357" Simultaneous Engineering: Methodologies and Applications (Automation and Production Systems), Ed. U. Roy, Gordon and Breach Science Publisher, ISBN 90-5699-660-6, New York, 1999.

Additional information:

International scientific activities:

Bilateral research project leader with University of Pretoria, University Teknology Malaysia, University of Minho, National Technical University of Athens, University of Maribor.

Member of Program Committee in IEEE Society conferences and other international conferences.

Program chair and co-chair in several international conferences.

Senior member of IEEE.