Djordje Kadijvich

Curriculum Vitae

I obtained a BSc and an MSc in mathematics from Belgrade University and a PhD in informatics from the University of Novi Sad (my PhD thesis examines mathematical problem-solving through the development of expert system knowledge bases). I work at Graduate School of Geoeconomics, Megatrend University of Applied Sciences, teaching courses, 'Introduction to Computer Science' and 'Basics of Mathematical Modelling'. I taught 'Didactics of Computer Science' at Mathematical Faculty, Belgrade University in the academic years 2000/2001 and 2001/2002, and also taught courses there at an MS level concerning multimedia in education and methodology of research in mathematics and computer science education. I have also worked at the Institute for Educational Research and Mathematical Institute of the Serbian Academy of Sciences and Arts as a researcher in mathematics and computer science education. In 1992/93 I spent a year at the Department of Computer Science, University of Copenhagen, as a scholar of the Danish Ministry of Education and the Danish Research Academy. I was the Serbian National Research Coordinator for the TIMSS 2003 study in 2001.

I am a member of the Editorial Board of Journal of Computer Assisted Learning and The Teaching of Mathematics. I have reviewed papers for Computers & Education, Journal of Computer Assisted Learning, Journal of Educational Computing Research, and The Teaching of Mathematics. I have published a number of articles in international journals, including Teaching Mathematics and its Application, The International Journal of Computer Algebra in Mathematics Education, Journal of Interactive Learning Research, Nordic Studies in Mathematics Education, Journal of Computer Assisted Learning, Journal of Educational Computing Research, and Journal für Mathematik-Didaktik.

My research interest includes:

* promoting the human face of mathematics,
* relating procedural and conceptual mathematical knowledge,
* computer-based mathematical modelling,
* learning through multimedia design and on-line coallboration, and
* computer attitude and mathematical self-concept.

Since 1985 my teaching experience has also been developed through winter and summer mathematical schools. These schools, which have been organized by the "Archimedes" Mathematical club of Belgrade (Kvant, 29, 3, 13-15), gather leading secondary school mathematicians from Yugoslavia.

My leisure activities include sport and music.

Participated in

*** 2nd Mediterranean Conference on Mathematics Education, Nicosia-Cyprus, 7-9 January 2000;**

* Exam Questions and Basic Skills in Technology-Supported Mathematics Teaching, Portoroz-Slovenia, 2-5 July 2000;

* One Hundred Years of L'Enseignement Mathematique: Moments of Mathematics Education in the 20th Century, Geneva-Switzerland, 20-22 October 2000;

* TIMSS 2003 3rd NRC Meeting, Madrid-Spain, 9-14 December 2001;

* 2nd International Conference on the Teaching of Mathematics at the Undergraduate Level, Hersonissos, Crete-Greece, 1-6 July, 2002;

* Vienna International Symposium on Integrating Technology into Mathematics Education, Vienna-Austria, 10-13 July 2002;

* Annual Symposium of The Finnish Mathematics and Science Education Research Association, Joensuu-Finland, 27-28 September 2002;

* ICMI Study 14: Applications and Modelling in Mathematics Education, Dortmund-Germany, 13-17 February 2004.

* 10th International Congress on Marhematical Education (ICME-10), Copenhagen-Denmark, 1-11 July 2004.

* The EuroMath meeting, Innsbruck-Austria, 6-8 October 2004.

Selected publications

Kadijevich, Dj. (1990). Method of False Presumption in Mathematics and Informatics. Mathematics in School, 19, 2, 44-45.

Kadijevich, Dj. (1991). Backtracking in Basic: How to Escape from the Labyrinth. Teaching Mathematics and its Application, **10**, 2, 64-73.

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Marjanovic, M. & Kadijevich, Dj. (2001). Linking Arithmetic to Algebra. In H. Chick, K. Stacey, J. Vincent & J. Vincent (Eds.), Proceedings of the 12th ICMI Study Conference The Future of the Teaching and Learning Algebra (Vol. 2, pp. 425-429). University of Melbourne: Department of Science and Mathematics Education.

Kadijevich, Dj. (2002). An Internet-based collaborative environment for the learning of mathematics. Journal of Computer Assisted Learning*, **18**, 1, 48-50.

Kadijevich, Dj. (2002). Towards a CAS promoting links between procedural and conceptual mathematical knowledge.The International Journal of Computer Algebra in Mathematics Education, **9**, 1, 69-74.

Kadijevich, Dj. (2002). Are quantitative and qualitative reasoning related? A ninth-grade pilot study on multiple proportion. The Teaching of Mathematics, **5**, 2, 91-98.

Kadijevich, Dj., Amit, M., Haapasalo, L. & Marlewski, A. (2003). Ninth-grade students' mathematical-self concept: an international study. In A. Gagatsis & S. Papastavridis (Eds.), 3rd Mediterranean conference on mathematical education: Mathematics in the modern world, mathematics and didactics, mathematics and life, mathematics and society (pp. 419-427). Nicosia, Cyprus: Cyprus Mathematical Society.

Kadijevich, Dj. (2003). Linking procedural and conceptual knowlede. In L. Haapasalo & K. Sormunen (Eds.), Towards Meaningful Mathematics and Science Education. Proceedings on the XIX Symposium of the Finnnish Mathematics and Science Education Research Association (pp. 21-28). University of Joensuu, Finland: Bulletins of the Faculty of Education (no. 86).

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