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Dr.sc. University of Zagreb, 2004.

Research interest: Combinatorial configurations; Finite geometry; Quasigroups with applications in geometry.

Recent publications:

- [1] V. Krčadinac, K. Smoljak, *Pedal sets of unital in projective planes of order 9 and 16*, **Sarajevo Journal of Mathematics** **7(20)** (2011), 255-264.
- [2] V. Krčadinac, *Napoleon's quasigroups*, **Mathematica Slovaca** **61** (2011), 885-894.
- [3] V. Krčadinac, A. Nakić, M. O. Pavčević, *The Kramer–Mesner method with tactical decompositions: some new unital on 65 points*, **Journal of Combinatorial Designs** **19** (2011), 290-303.
- [4] V. Krčadinac, A. Nakić, M. O. Pavčević, *Equations for coefficients of tactical decomposition matrices for t -designs*, **Designs, Codes and Cryptography** **72** (2014), 465-469.
- [5] A. Blokhuis, A. E. Brouwer, D. Jungnickel, V. Krčadinac, S. Rottey, T. Szonyi, P. Vandendriessche, *Blocking sets of the classical unital*, **Finite Fields and Their Applications** (to appear).

Selected publications:

- [1] V. Krčadinac, *Steiner 2-designs $S(2,4,28)$ with nontrivial automorphisms*, **Glasnik Matematički** **37(57)** (2002), 259-268.
- [2] V. Krčadinac, V. Volenec, *A class of quasigroups associated with a cubic Pisot number*, **Quasigroups and Related Systems** **13** (2005), 269-280.
- [3] V. Krčadinac, J. Šiftar, *Finite linear spaces consisting of two symmetric configurations*, **Glasnik Matematički** **40(60)** (2005), 139-147.
- [4] V. Krčadinac, *Some new Steiner 2-designs $S(2,4,37)$* , **Ars Combinatoria** **78** (2006), 127-135.