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Research interest: Discrete mathematics, in particular constructions of combinatorial structures such as t-designs.

Recent publications:

- [1] V. Krčadinac, A. Nakić and M.-O. Pavčević, *The Kramer-Mesner Method With Tactical Decompositions: Some New Unitals on 65 Points*, **Journal of Combinatorial Designs Vol. 19 No. 4** (2011), 290-303.
- [2] I. Martinjak and M.-O. Pavčević, *Symmetric Designs Possessing Tactical Decompositions*, **Advances in Mathematics of Communications, Vol. 5 No. 2** (2011) 199-208.
- [3] D. Held, M.-O. Pavčević and M. Schmidt, *A Series of Finite Groups and Related Symmetric Designs*, **Glasnik matematički Vol. 42(62)** (2007), 257-272.

Selected publications:

- [1] D. Crnković and M.-O. Pavčević, *Some new symmetric designs with parameters (64,28,12)*, **Discrete Mathematics 237** (2001) 109-118.
- [2] M.-O. Pavčević, *On symmetric (69,17,4)-designs admitting an action of Frobenius groups*, **Journal of Statistical Planning and Inference 94** (2001) 277-285.
- [3] D. Held and M.-O. Pavčević, *A Series of Hadamard Designs With Large Automorphism Groups*, **Journal of Algebra 234** (2000), 620-626.
- [4] M.-O. Pavčević and E. Spence, *Some New Symmetric Designs*, **Journal of Combinatorial Designs 7** (1999), 426-430.
- [5] D. Held and M.-O. Pavčević, *Symmetric (79,27,9)-designs admitting a faithful action of a Frobenius group of order 39*, **European Journal of Combinatorics 18** (1997), 409-416.