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Research interest: Combinatorial structures.

Recent publications:

- [1] D. Crnković, V. Mikulić Crnković, A. Švob, *On some transitive combinatorial structures and codes constructed from the symplectic group $S(6,2)$* , **J. Combin. Math. Combin. Comput.**, to appear.
- [2] D. Crnković, V. Mikulić Crnković, A. Švob, *On some transitive combinatorial structures constructed from the unitary group $U(3,3)$* , **J. Statist. Plann. Inference** 144 (2014), 19-40
- [3] D. Crnković, V. Mikulić Crnković, *Construction of 1-designs from group action*, **Electron. Notes Discrete Math.** 40 (2013), 253-257
- [4] D. Crnković, V. Mikulić, *Unitals, projective planes and other combinatorial structures constructed from the unitary groups $U(3,q)$, $q=3,4,5,7$* , **Ars Combin.** 110 (2013), 3-13.
- [5] D. Crnković, V. Mikulić Crnković, B. G. Rodrigues, *Some optimal codes and strongly regular graphs from the linear group $L_4(3)$* , **Util. Math.** 89 (2012), 237-255.

Selected publications:

- [1] D. Crnković, V. Mikulić Crnković, A. Švob, *On some transitive combinatorial structures constructed from the unitary group $U(3,3)$* , **J. Statist. Plann. Inference** 144 (2014), 19-40
- [2] D. Crnković, V. Mikulić, *Unitals, projective planes and other combinatorial structures constructed from the unitary groups $U(3,q)$, $q=3,4,5,7$* , **Ars Combin.** 110 (2013), 3-13.
- [3] D. Crnković, V. Mikulić Crnković, B. G. Rodrigues, *Some optimal codes and strongly regular graphs from the linear group $L_4(3)$* , **Util. Math.** 89 (2012), 237-255.
- [4] D. Crnković, V. Mikulić, B. G. Rodrigues, *Some strongly regular graphs and self-orthogonal codes from the unitary group $U_4(3)$* , **Glas. Mat. Ser. III**, **45**, No. 2 (2010), 307-323.