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Université de Fribourg, Chemin du musée 23, 1700 Fribourg, FR, Switzerland. *Toric arrangements  
and group actions on semimatroids.*

Recent work of De Concini, Procesi and Vergne on vector partition functions gave a fresh impulse to the study of toric arrangements from an algebraic, topological and combinatorial point of view. In this context, many new combinatorial structures have recently appeared in the literature, each tailored to one of the different facets of the subject.

As a unifying framework, in this talk I will propose the study of “group actions on semimatroids” and of their polynomial invariants, recently introduced in joint work with Sonja Riedel. (Received January 19, 2016)