Raman, Venkatesh
Vertex cover, dominating set and my encounters with parameterized complexity and Mike Fellows. (English) [Zbl 1358.68146]

Summary: In this report, I start with a historic view of how, the two problems Vertex Cover and Dominating Set that were influential to the birth of the area of parameterized complexity, also led me to this area and introduced me to Mike Fellows. I also discuss early research and meetings in Parameterized Complexity, Mike’s influence in community building and some personal anecdotes with Mike. I conclude with some recent results on these problems and also discuss open problems in the area.

For the entire collection see [Zbl 1245.68001].

MSC:
68Q25 Analysis of algorithms and problem complexity
68-03 History of computer science
05C69 Vertex subsets with special properties (dominating sets, independent sets, cliques, etc.)
05C70 Edge subsets with special properties (factorization, matching, partitioning, covering and packing, etc.)

Full Text: DOI

References:

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