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**Brian Harbourne\*** (bharbourne1@unl.edu). *Line arrangement problems: a unifying perspective on Lefschetz, postulation and containment problems in commutative algebra and algebraic geometry.*

Recent work on certain Lefschetz problems, on postulation problems (related to the number of conditions imposed on forms of given degree by points in the plane) and on containment problems (related to containment of symbolic powers of ideals of points in regular powers of those ideals) has in all three cases led to the same central longstanding problem on line arrangements in the plane. I will discuss what this central problem is and how it relates to the problems in the other three areas. (Received January 19, 2018)