

Title: Disruption of movement or cohesion of groups through individuals

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Abstract: Just a few of informed and like-minded individuals, *guides*, are needed to lead otherwise naive group. We look at some of the possible changes that can be caused by the presence of another informed individual with different intentions, an *intruder*. It is implied that he cannot cause anything significant under normal circumstances. To counter that and to increase his chances of success we introduce a new parameter — *credibility*. We explore how it changes the overall behaviour. We show that by applying it to the intruder his influence over others increases. This in turn makes naive individuals more willing to follow him. We show that if the right conditions are met he can eventually become the one who leads the group.

Keywords: multi-agent system, swarm intelligence, emergence, credibility