

## INCREMENTAL BROADCASTING AS A STRATEGY FOR MULTI AGENT COMMUNICATION

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### ***ABSTRACT***

“Direct routing”, “routing by signal propagation” and “public notice routing” [3] are seen as the possible natures of communication between distributed agents. This paper will introduce a forth one: incremental broadcasting. It could be used when a broadcast protocol is needed, but the communication medium only allows point-to-point connections. Given a number of agents and certain environmental restrictions, different algorithms can be used to build the network underlying broadcast routing, therefore quality measures for such a network are proposed and some algorithms are compared.