



Millimeter wave up-converted UWB based positioning system

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Targeted objective : providing physical inputs for location based routing algorithms

Considered scenario:

- A : Each Mobile Station performs its position (x_i,y_i) by processing incoming signals from the **unique beacon**.
- •B : Position information periodically floods the network to update "neighborhood table".

Approach complying with both

On Demand and Proactive protocols such as:

•LAR (Location Aided Routing)
•DREAM (Distance Routing Effect Algorithm for Mobility)



Ad hoc network



