(Sinireless sensor Network (A Brench maybe?) Senser Nex Lork (Historical-before Tot) TOT (is Just a nome change actually)

LA Autonomis Can collect data and act on it

WISIN - wireless sensor network

Rosting a package from node so node- New & 4 Smart but limited (It decides where to go)

Main idea is to start talking of the same language so combinacasin con be established (protocol)

Oct Comporter connected to other comporters via wireless | network

invelligent

Sensors and microchips are so cheap they and be used as nodes in a network by energy still is an important problem in wireless senson network

Energy: Main Source: Bastery 45 ome of the applications allows other sources of energy like sun, illrakin or head but mostly you are dependent on entroy. 4 Solving energy problem & very important to create a rebuile, long the node retrort

4 Relation besness comminication (signal) range and energy used is quadratic. Using PZP Jumps rasher than connecting to base station can save energy. This concept called multiloop.

Possible problems

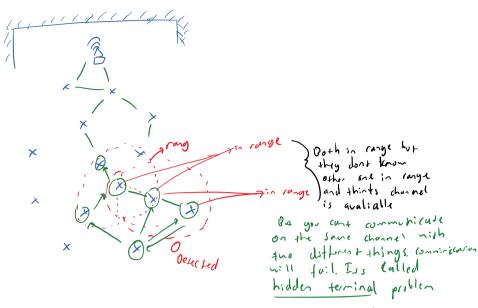
- Security

- Package Loss

send multiple packages (Not energy efficent)

- Is Should be realise

Find path that can give answer in Rt Realine systems depends on the system you work for example: an introdition detection system will have different realine specifications for a human being ond for a rocket.



It what we hear not the thing me said channel is not available. Its called overlap comminications.

Multiple or single entities might be osing and create noise on channel.

Solution: Wait for random /different times and check channel after that. Its called backoff.

Time can be increasing with each try or can depend on priority. Statisticly impossible situations can be happen but they are so rare that refreshing or tyring again solves it.

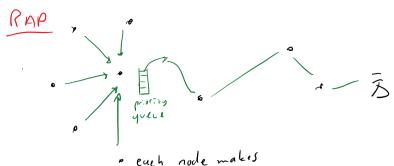
COMA: Find safe channel in computer communications.
Only approach taken on inserted comm.

Fixed data package lengths helps to determine nathing thu

greve on each node is limited, therefore if grece is full some packages received and dropped intentionally.

Original source where package came from must keep package until it gets a message that destination get the package.

Papors are about this concepts



reach node makes its own decisions

Destination map, geographich locations and phesical distorces known Therefore maximum time required to transfer known.

Speed of the package known. And each package has a deadline, assign priority according to speed.

Knowing geographical positions is hard. Mayle some nodes have GPS and other nodes define their Location based on that

Geographical may is important because the path package will follow should be known

Privitation is on package not on node Backoff times also can change. Dynamic and Static approaches possible Sum: dic(x, us) 2 xd 41 3.) /doubling

Sum: dis (xs, ys, 13, xd, yd, 3c) /dealine Louses average velocing

orm; dis (x, ym, 3m, xd, yd, 3d)/(deadline-time)
break culare at each rode

Lost requirer time and energy on each node

Nex1 week: SWR