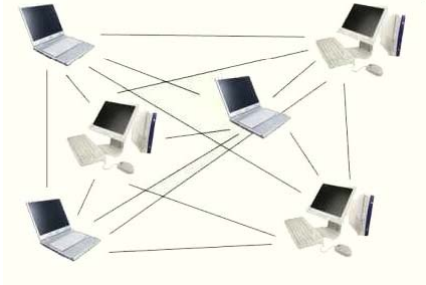



UNIVERSITY OF DETROIT MERCY


Mobile Ad Hoc Networking Interoperability And Cooperation

Multi-behavior strategy




Department of Electrical Engineering

 **Yasser Alnounou**

 **Yazan Aljeroudi**

Multi-behavior Based Strategy

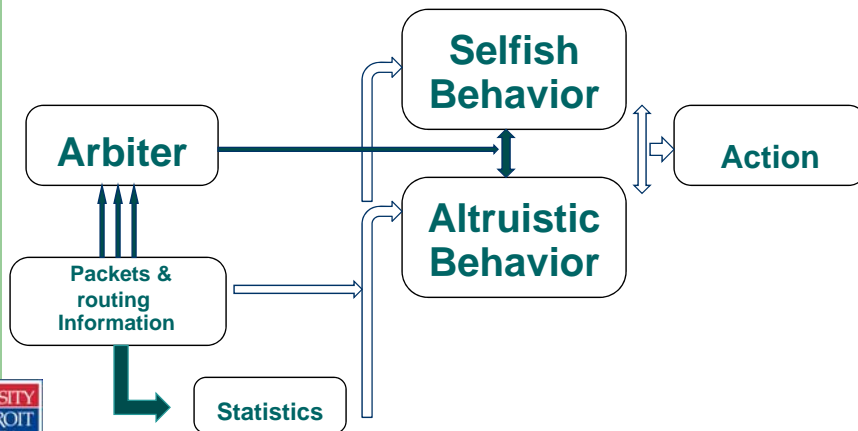


-No Pre-knowledge about other nodes strategies.

Dynamic Multi –Behavior based strategies

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Multi-behavior Strategy



Statistics

we need to expect other nodes 's cooperation with our nodes.

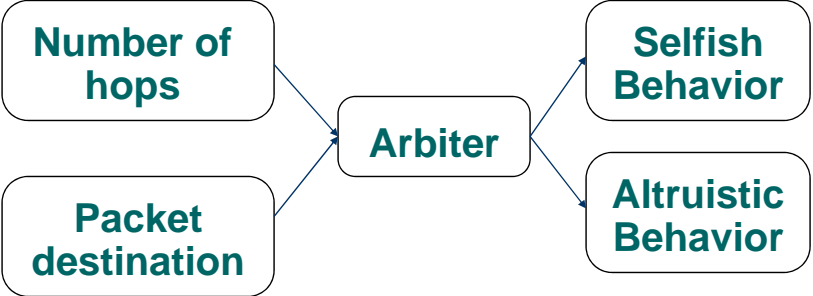
-This is done by *the send and receive table.*

Statistics

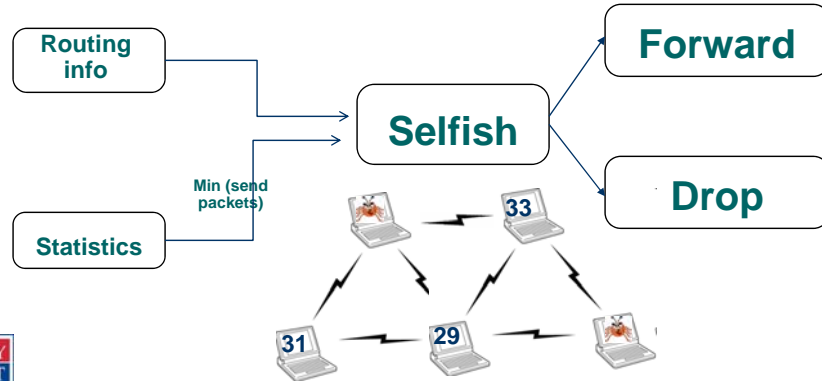
Nodes Number	# received packets	# send packets
1	9	40
2	12	37
3	14	34
4	17	35
5	19	39
....
....



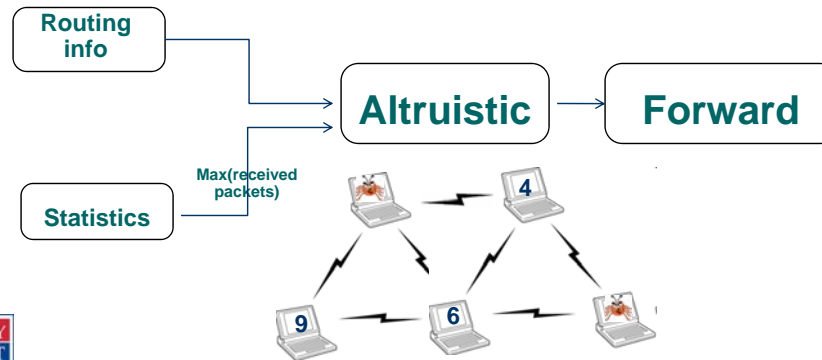
Arbiter



Selfish Behavior



Altruistic Behavior



Advantages

- 1) **Dynamic Algorithm.**
- 2) **Multi-behavior, ability to extend.**
- 3) **Trade-off between cooperation and energy.**

