

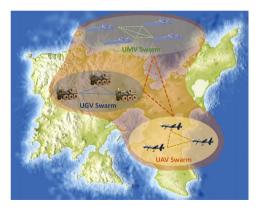
PROJECT HUNTED



Heterogeneous multi-swarms of UNmanned auTonomous systEms for mission Deployment

- Heterogeneous multi-swarms: UAV, UGV, UMV, etc.
- Chaotic trajectories
- Models divided into three classes:
 - Inter-swarm level
 - Intra-swarm level
 - Networking and communication

Supported by the Department of Navy award N62909-18-1-2176 issued by the Office of Naval Research.

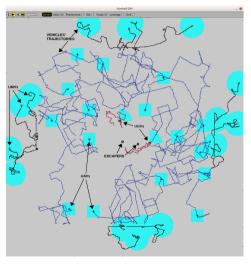


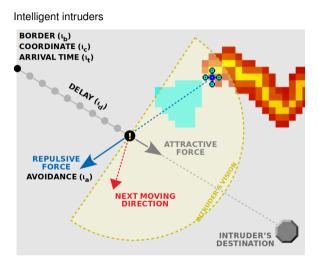
HETEROGENEOUS MULTI-SWARMS

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UAVs, UGVs, and UMVs

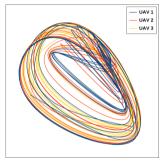




CHAOTIC TRAJECTORIES



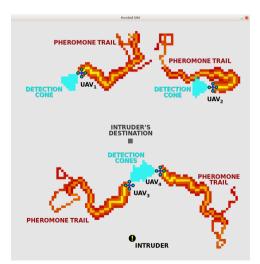




Rössler Chaotic Attractor

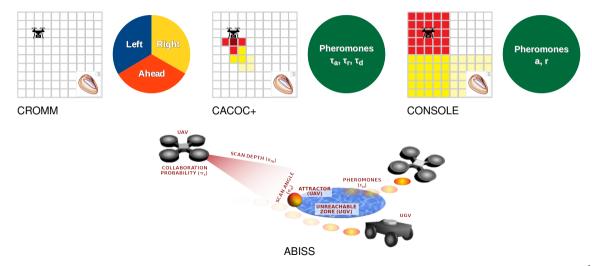
Mobility Models:

- CROMM
- CACOC+
- ABISS
- CROMM-MS (*)
- CONSOLE (*)



MOBILITY MODELS





OPTIMISATION TECHNIQUES

Parameter optimisation to improve coverage, detection rates, consumption, ...

