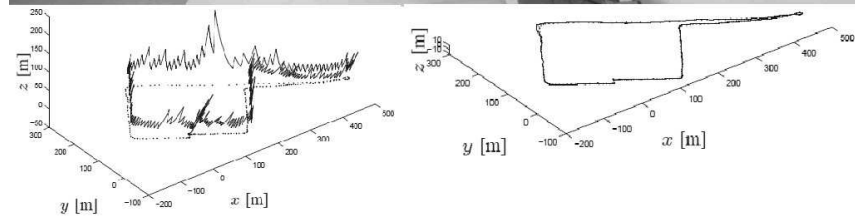
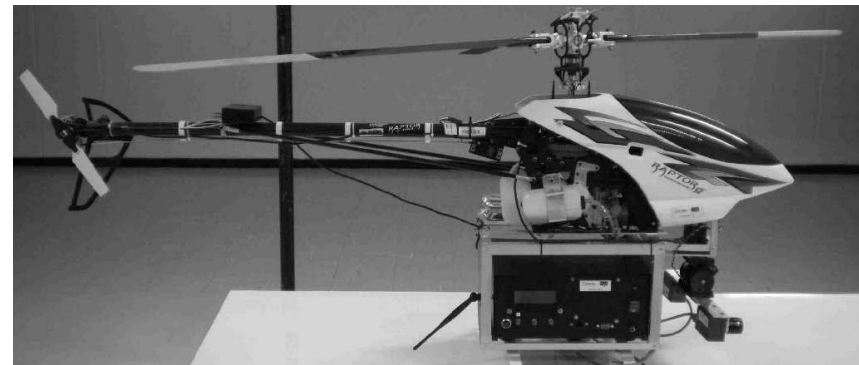


# Hybrid Data Fusion for 3D Localization Under Heavy Disturbances

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- Presents a new hybrid stochastic filter (Hdff) for systems operating in unfavorable conditions;
- Performance not degraded by signal disturbances and sensor loss;
- Outperforms traditional estimators in real and simulated environments.



GPS measurements (dotted) and estimated position (solid) using the EKF

GPS measurements (dotted) and estimated position (solid) using the Hdff

Navigation experiment in the University's campus