A Dynamic Network to Enable UAS Sampling of Supercell Thunderstorms	Essay	00033	1/1
A Multi-team Consensus Bundle Auction	Essay	00017	2/2
AAAAA demo	Essay	00001	3/3
Actuator Fault Detection in UAVs	Essay	00043	4/4
Adaptive Control (Model Reference Adaptive Control in Aerospace)	Essay	00050	5/5
Advanced Radio Systems for UAS	Essay	00031	6/6
Aerodynamics of    Flapping Wing MAV	Essay	00010	7/7
Automated Failure Effect Analysis for PHM of UAV	Essay	00040	8/8
Cognitive Networking for UAV Swarms	Essay	00032	9/9
Cognitive Task Analysis for UAV Design	Essay	00026	10/10
Collision Avoidance	Essay	00000	11/11
Control of Communication Networks for Teams of UAVs	Essay	00019	12/12
Cooperative mission and path planning for a team of UAVs	Essay	00014	13/13
Cooperative Mission Planning for Multi-UAV Teams	Essay	00016	14/14
Coordinated UAV Convoy Protection	Essay	00027	15/15
Data Fusion and Tracking	Essay	00007	16/16
Decentralized multi-UAV coalition formation with limited communication ranges	Essay	00029	17/17
Designing for Awareness in UAV Interfaces	Essay	00025	18/18
Development of Insect-sized MAVs	Essay	00009	19/19
Dynamics and Control of Micro UAVs	Essay	00055	20/20
Experimental Evaluation of Fault Diagnosis for Skew-configured UAV Senso	Essay	00045	21/21
Experimental Validation of Fault Detection and Diagnosis for UAVs	Essay	00041	22/22
Fault Detection and Diagnosis for GTM UAV with Dual Unscented Kalman Filter	Essay	00042	23/23
Fault Tolerant Flight Control and Guidance Systems: Practical Methods for Unmanned Aerial Vehicles	Essay	00044	24/24
Flapping-Wing Propelled Micro Air Vehicles	Essay	00011	25/25
Hazard and Safety Risk Modeling	Essay	00035	26/26
Health monitoring of a drone formation affected by a corrupted control system	Essay	00018	27/27
Human Factors	Essay	00036	28/28
Innovative Task Allocation, Real time path planning and Collision Avoidance for UAVs	Essay	00020	29/29
Integrated Hardware/Software Architectures to Enable UAVs for Autonomous Flight	Essay	00058	30/30
Integrated Vehicle Health and Fault Contingency Management for UAVs	Essay	00046	31/31
Issues Surrounding Communications with Micro Aerial Vehicles	Essay	00012	32/32
Kinematics and Dynamics of Fixed Wing UAVs	Essay	00053	33/33
Kinematics and Dynamics of Rotocraft UAVs	Essay	00054	34/34
Linear and nonlinear flight control	Essay	00049	35/35
Localisation (INS/GPS)	Essay	00004	36/36

Localisation (SLAM)	*Essay*	00005	*37/37*
Multi-sensor Data Fusion	*Essay*	00008	*38/38*
Optimization of Autonomous UAVs with Event-Driven Communication	*Essay*	00060	*39/39*
Path Following Control	*Essay*	00051	*40/40*
Power and Energy Harvesting for MAVs	*Essay*	00013	*41/41*
Principles of Guidance, Navigation and Control of UAVs	*Essay*	00056	*42/42*
Reference frames and sensor calibration/alignment errors	*Essay*	00003	*43/43*
Remaining Life Estimation of Batteries in Electric UAVs	*Essay*	00047	*44/44*
Sensors for localisation (INS, GPS, air data)	*Essay*	00002	*45/45*
Sensors for mission (electro-optical, Radar, LASER)	*Essay*	00006	*46/46*
Social Roles in Micro Unmanned Aerial Systems	*Essay*	00024	*47/47*
Stochastic and Dynamic Routing Problems for Multiple Uninhabited Aerial Vehicles	*Essay*	00028	*48/48*
Surveillance in Urban Environments with a Team of Robotic Drones	*Essay*	00021	*49/49*
Systems Health Management for Commercial UAV	*Essay*	00048	*50/50*
The Problem of UAV Communication	*Essay*	00030	*51/51*
UAS Certification & Standards	*Essay*	00037	*52/52*
UAS certification with an emphasis on smaller systems	*Essay*	00038	*53/53*
UAS Mission Management: Moving Beyond Operator Interfaces to Practical Mission Management in Search and Military Applicati	*Essay*	00033	*54/54*
UAS Risk and Regulation	*Essay*	00039	*55/55*
UAV Guidance Algorithms via Partially Observable Markov Decision Processes	*Essay*	00059	*56/56*
UAV Operator Interfaces	*Essay*	00022	*57/57*
UAV Swarms: Models and Effective Interfaces	*Essay*	00034	*58/58*
UAV Trajectory Optimization	*Essay*	00015	*59/59*
Understanding the Many Variations on Levels of Autonomy	*Essay*	00057	*60/60*