

S.NO	TITLE OF PAPER	Author and Year of Publication	CONTRIBUTIONS OF THE WORK	RESEARCH GAPS	CHALLENGES	PROPOSED - METHDOLOGY
1.	Gain Scheduling for H- Infinity Controllers: A Flight Control Example	Robert A Nicholas 2020	New approach used for developing linear dynamic controllers used for autopilots-based systems and their tracking areas.	1 to 2 years	Computation of the gained controller differs from computation of the scheduled pitch-rate in two aspects.	Our approach to gain scheduling is a combination of extended linearization ideas.
2.	Flight management systems for all Electric aircrafts	Maxim Kaptsov	The Airbus E-Fan 1.0 model is used to obtain numerical results and validate the optimal solutions.	2 years	Maximum endurance optimal control problem	The use of batter model with internal resistance provides more precise results compared to those obtained for an ideal battery therefore maximum life expectancy.
3.	Flight test experience with an electro mechanical actuator	Gavin D. Jenny	This paper discusses the integration and testing of the EPAD electromechanical actuator on the SRA.	1 year	One final issue of the actuator was ram rotation. But this was not the issue with hydraulic ram controller.	The EPAD EMA program successfully validated the use of an electric actuator on a modern high performance fighter aircraft with certain modifications.
4.	Hardware design of flight control system and flight experiments on small-scale unmanned Aerial Vehicle	Huayou Liang	The result shows that the flight control systems designed in the paper has good practicability and high reliability, and meets the requirements of the small-scale unmanned aerial vehicle for the function and performance of flight control systems.	2 years	Overall stability of the flight system to be maintained is difficult.	In this paper, the idea of hardware design of quadcopter and other types of flight systems is presented.