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- [1] B. Vergouw, H. Nagel, G. Bondt, and B. Custers, "The Future of Drone Use," *Futur. Drone Use, Inf. Technol. Law Ser.* 27, vol. 27, pp. 21–46, 2016.
- [2] T. Pobkrut, T. Eamsa-ard, and T. Kerdcharoen, "Sensor Drone for Aerial Odor Mapping for Agriculture and Security Services," *13rd Int. Conf. Electr. Eng. Comput. Telecommunications Inf. Technol. (ECTI - CON)*, 2016.
- [3] A. K. Puttock, A. M. Cunliffe, K. Anderson, and R. E. Brazier, "Aerial photography collected with a multicopter drone reveals impact of Eurasian beaver reintroduction on ecosystem structure," *J. Unmanned Veh. Syst.*, vol. 3, no. 3, pp. 123–130, 2015.
- [4] M. Mazetti and E. Schmitt, "U.S. Expands Its Drone War Into Somalia," *New York Times*, 2011.
- [5] H. Cruz, M. Eckert, J. Meneses, and J. F. Martínez, "Efficient forest fire detection index for application in Unmanned Aerial Systems (UASs)," *Sensors*, vol. 16, no. 6, 2016.
- [6] J. F. Campbell and D. Sweeney, "Strategic Design for Delivery with Trucks and Drones," *Supply Chain Anal. Rep. SCMA-2017-0201*, 2017.
- [7] L. Tang and G. Shao, "Drone remote sensing for forestry research and practices," *J. For. Res.*, vol. 26, no. 4, pp. 791–797, 2015.
- [8] M. Padilla, A. Perera, I. Montoliu, A. Chaudry, K. Persaud, and S. Marco, "Drift compensation of gas sensor array data by Orthogonal Signal Correction," *Chemom. Intell. Lab. Syst.*, vol. 100, no. 1, pp. 28–35, Jan.

2010.

- [9] T. Villa, F. Gonzalez, B. Miljevic, Z. D. Ristovski, and L. Morawska, “An overview of small unmanned aerial vehicles for air quality measurements: Present applications and future perspectives,” *Sensors*, vol. 16, no. 7, pp. 12–20, 2016.
- [10] W. Zhao and T. H. Go, “Quadcopter formation flight control combining MPC and robust feedback linearization,” *J. Franklin Inst.*, vol. 351, no. 3, pp. 1335–1355, 2014.
- [11] T. Gustafsson, “Drone Overview Tomas-Gustafsson.pdf.”
- [12] V. Puri, A. Nayyar, and L. Raja, “Agriculture drones: A modern breakthrough in precision agriculture,” *J. Stat. Manag. Syst.*, vol. 20, no. 4, pp. 507–518, 2017.
- [13] A. Frank, J. McGrew, M. Valenti, D. Levine, and J. How, “Hover, Transition, and Level Flight Control Design for a Single-Propeller Indoor Airplane,” *Massachusetts Inst. Technol.*, 2012.
- [14] M. R. Haque, M. Muhammad, D. Swarnaker, and M. Arifuzzaman, “Autonomous Quadcopter for product home delivery,” *1st Int. Conf. Electr. Eng. Inf. Commun. Technol. ICEEICT 2014*, 2014.
- [15] E. Kuantama, I. Tarca, S. Dzitac, I. Dzitac, and R. Tarca, “Flight stability analysis of a symmetrically-structured quadcopter based on thrust data logger information,” *Symmetry (Basel)*, vol. 10, no. 7, pp. 1–14, 2018.
- [16] S. Jeremia, E. Kuantama, and J. Pangaribuan, “Design and construction of remote-controlled quad-copter based on STC12C5624AD,” *Proc. 2012 Int.*

Conf. Syst. Eng. Technol. ICSET 2012, pp. 3–8, 2012.

- [17] P. A. V. Javir, K. Pawar, S. Dhudum, N. Patale, and S. Patil, “Design , Analysis and Fabrication of Quadcopter,” *J. Int. Assoc. Adv. Technol. Sci.*, vol. 16, no. 11, 2015.
- [18] N. S. Widodo, A. Yudhana, and Sunardi, “Low Cost Open Source based UAV for Aerial Photography,” *Int. J. Innov. Res. Adv. Eng.*, vol. 1, no. 10, pp. 416–424, 2014.
- [19] H. S. Doshi, M. S. Shah, and U. S. A. Shaikh, “Internet of Things (IoT): Integration of Blynk for Domestic Usability,” *Vishwakarma J. Eng. Res.*, vol. 1, no. 4, pp. 149–157, 2017.
- [20] M. Todica, “Controlling Arduino Board with Smartphone and Blynk via Internet,” *Tech. Doc.*, no. November, 2016.
- [21] “Blynk IoT platform.” [Online]. Available: <https://blynk.io/>. [Accessed: 09-Jul-2019].
- [22] Handson Technology, “Handson Technology User Manual V1.2,” *User Man.*, pp. 1–22, 2017.
- [23] E. Kuantama, D. Craciun, and R. Tarea, “Quadcopter Body Frame Model and Analysis,” *Ann. Univ. ORADEA*, vol. 120, no. May, pp. 3–6, 2016.
- [24] B. A. Moffitt, T. H. Bradley, D. E. Parekh, and D. Mavris, “Validation of Vortex Propeller Theory for UAV Design with Uncertainty Analysis,” *Am. Inst. Aeronaut. Astronaut.*, p. 270.
- [25] M. Galeotti, L. Cinà, C. Giammanco, S. Cordiner, and A. Di Carlo, “Performance analysis and SOH (state of health) evaluation of lithium

polymer batteries through electrochemical impedance spectroscopy,” *Energy*, vol. 89, no. July, pp. 678–686, 2015.

- [26] “Arduino Playground - MQ Gas Sensors.” [Online]. Available: <https://playground.arduino.cc/Main/MQGasSensors/>. [Accessed: 26-Jul-2019].
- [27] Hanwei Electronics, “Mq-135 Sensor,” *Datasheet*, 2018.
- [28] M. L. Minus and S. Kumar, “The processing, properties, and Archived:APM 2.5 and 2.6 Overview — Copter documentation. (n.d.). Retrieved July 26, 2019, from <http://ardupilot.org/copter/docs/common-apm25-and-26-overview.html>structure of carbon fibers,” *Jom*, vol. 57, no. 2, pp. 52–58, 2005.
- [29] “APM 2.5 and 2.6 Overview — Copter documentation.” [Online]. Available: <http://ardupilot.org/copter/docs/common-apm25-and-26-overview.html>. [Accessed: 26-Jul-2019].
- [30] K. K. Nemirsky and K. Turkoglu, “Simulated Annealing-Based Optimal PID Controller Design: A Case Study on Nonlinear Quadcopter Dynamics,” Master Thesis, San Jose State University, 2017.
- [31] “SiK Telemetry Radio — Copter documentation.” [Online]. Available: <https://ardupilot.org/copter/docs/common-sik-telemetry-radio.html>. [Accessed: 15-Dec-2019].