

Accuracy assessment of RTK-GNSS equipped UAV conducted as-built surveys for construction site modelling
Varbla, Sander; Puust, Raido; Ellmann, Artu Survey review 2021 / p. 477-492 <https://doi.org/10.1080/00396265.2020.1830544>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Analysis and study of the influence of the geometrical parameters of mini unmanned quad-rotor helicopters to optimise energy saving
Penkov, Igor; Aleksandrov, Dmitri International journal of automotive and mechanical engineering 2017 / p. 4730-4746 : ill
<https://doi.org/10.15282/ijame.14.4.2017.11.0372> [Journal metrics at Scopus](#) [Article at Scopus](#)

Centimetre-range deformations of built environment revealed by drone-based photogrammetry
Varbla, Sander; Ellmann, Artu; Puust, Raido Automation in Construction 2021 / art. 103787
<https://doi.org/10.1016/j.autcon.2021.103787> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparision of aerial imagery and satellite imagery for autonomous vehicle path planning
Hudjakov, Robert; Tamre, Mart Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 1 2012 / p. 301-308 : ill

Efficiency optimization of mini unmanned multicopter
Penkov, Igor; Aleksandrov, Dmitri International review of aerospace engineering 2017 / p. 277-281 : ill
<https://doi.org/10.15866/irase.v10i5.12132> [Journal metrics at Scopus](#) [Article at Scopus](#)

Enhancement of Unmanned Aerial Vehicle photogrammetry by high-resolution airborne laser scanning data [Electronic resource]
Julge, Kalev; Ellmann, Artu 26th IUGG General Assembly 2015 : Prague, Czech Republic, Prague Congress Centre, June 22-July 02, 2015 2015 / [1] p

Increasing of power characteristics of mini UAV helicopter by changing of its geometrical parameters
Aleksandrov, Dmitri; Penkov, Igor Machines, technologies, materials : [virtual journal] 2012 / p. 30-32 : ill <http://trans-motauto.com/sbornik/2012/22.INCREASING%20OF%20POWER%20CHARACTERISTICS%20OF%20MINI%20UAV%20HELICOPTER%20BY%20CHANGING%20OF%20ITS%20GEOMETRICAL%20PARAMETERS.pdf>

Method for data collection and integration into 3D architectural model
Kurik, Lembit; Sinivee, Veljo; Lints, Martin; Kallavus, Urve Innovations and advances in computer, information, systems sciences, and engineering 2013 / p. 707-717 : ill https://doi.org/10.1007/978-1-4614-3535-8_59 [Article collection metrics at Scopus](#) [Article at Scopus](#)

Method for data collection and integration into 3D architectural model [Electronic resource]
Kurik, Lembit; Sinivee, Veljo; Lints, Martin; Kallavus, Urve CISSE 2011 International Joint Conferences 2011 / [5 p. : ill] [CD-ROM]

Motor failure tolerant control system with self diagnostics for unmanned multirotors
Ambroziak, Leszek; **Simha, Ashutosh**; Pawluszewicz, Ewa; Kotta, Ülle 2019 24th International Conference on Methods and Models in Automation and Robotics (MMAR) 2019 / p. 422–427 : ill <https://doi.org/10.1109/MMAR.2019.8864726>

Object detection for rescue operations by high-altitude infrared thermal imaging collected by unmanned aerial vehicles
Polukhin, Andrii; Gordienko, Yuri; **Jervan, Gert**; Stirenko, Sergii Pattern Recognition and Image Analysis : 11th Iberian Conference, IbPRIA 2023, Alicante, Spain, June 27–30, 2023 : proceedings 2023 / p. 490-504 https://doi.org/10.1007/978-3-031-36616-1_39
[Conference proceedings at Scopus](#) [Article at Scopus](#)

Optimal gap distance between rotors of mini quadrotor helicopter
Aleksandrov, Dmitri; Penkov, Igor Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 1 2012 / p. 251-255 : ill

Optimization of lift force of mini quadrotor helicopter by changing of gap size between rotors
Aleksandrov, Dmitri; Penkov, Igor Mechatronic systems and materials IV 2013 / p. 226-231 : ill
<https://doi.org/10.4028/www.scientific.net/SSP.198.226> [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article collection metrics at WOS](#) [Article at WOS](#)

Propeller shrouding influence on lift force of mini unmanned quadcopter
Penkov, Igor; Aleksandrov, Dmitri International journal of automotive and mechanical engineering 2017 / p. 4486-4495 : ill
<https://doi.org/10.15282/ijame.14.3.2017.7.0354> [Journal metrics at Scopus](#) [Article at Scopus](#)

RAPTOR-UAV : real-time particle tracking in rivers using an unmanned aerial vehicle
Thumser, Philipp; Haas, Christian; **Tuhtan, Jeffrey Andrew; Fuentes-Pérez, Juan Francisco; Toming, Gert** Earth surface processes and landforms 2017 / p. 2439-2446 : ill <https://doi.org/10.1002/esp.4199> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

