

**An enhanced situational awareness of AUV's mission by multirate neural control**

**Astrov, Igor; Pikkov, Mihhail** World Academy of Science, Engineering and Technology 2012 / p. 91-97 : ill

<https://zenodo.org/records/1335220>

**An enhanced situational awareness of AUV's mission by multirate neural control [Electronic resource]**

**Astrov, Igor; Pikkov, Mihhail** ICMOS 2012 CD-ROM Proceedings : [International Conference on Modelling, Optimization and Simulation (ICMOS 2012), Berlin, Germany, September 19-20, 2012] 2012 / [7 p.] : ill [CD-ROM] <https://zenodo.org/records/1335220>

**Flight control of TUAV with coaxial rotor and ducted fan configuration by NARMA-L2 controllers for enhanced situational awareness**

**Astrov, Igor; Pedai, Andrus; Gordon, Boris** World Academy of Science, Engineering and Technology 2012 / p. 75-81 : ill

**Flight control of TUAV with coaxial rotor and ducted fan configuration by NARMA-L2 controllers for enhanced situational awareness [Electronic resource]**

**Astrov, Igor; Pedai, Andrus; Gordon, Boris** ICCEA 2012 CD-ROM Proceedings : [International Conference on Computer Engineering and Applications (ICCEA 2012) : Copenhagen, Denmark, June 11-12, 2012] 2012 / p. 75-81 : ill [CD-ROM]

**Flight control of vectored thrust aerial vehicle by neural network predictive controller for enhanced situational awareness**

**Astrov, Igor; Pikkov, Mihhail; Paluoja, Rein** World Academy of Science, Engineering and Technology 2013 / p. 77-81 : ill

**LQG flight control of VTAV for enhanced situational awareness**

**Astrov, Igor; Pikkov, Mihhail; Paluoja, Rein** World Academy of Science, Engineering and Technology. International journal of mechanical, industrial science and engineering 2013 / p. 981-986 : ill

**Motion control of an autonomous surface vessel for enhanced situational awareness**

**Astrov, Igor; Pikkov, Mihhail; Paluoja, Rein** World Academy of Science, Engineering and Technology. International journal of mechanical, industrial science and engineering 2013 / p. 1203-1208 : ill

**Motion control of TUAV having eight rotors for enhanced situational awareness**

**Astrov, Igor; Pedai, Andrus** World Academy of Science, Engineering and Technology 2011 / p. 694-701 : ill

<https://zenodo.org/records/1070115>

**Motion control of vectored thrust aerial vehicle for enhanced situational awareness**

**Astrov, Igor; Pikkov, Mihhail; Paluoja, Rein** Mathematical applications in science and mechanics : [proceedings of the conferences : Dubrovnik, Croatia, June 25-27, 2013] 2013 / p. 59-64 : ill

**Multirate depth control of an AUV by neural network model reference controller for enhanced situational awareness**

**Astrov, Igor; Gordon, Boris** Recent researches in applied information science : proceedings of the 5th WSEAS World Congress on Applied Computing Conference (ACC '12) : proceedings of the 1st International Conference on Biologically Inspired Computation (BIC '12) : University of Algarve, Faro, Portugal, May 2-4, 2012 2012 / p. 32-37 : ill <http://www.wseas.us/e-library/conferences/2012/Algarve/BICA/BICA-04.pdf>

**Multirate depth control of an AUV by neural network model reference controller for enhanced situational awareness [Electronic resource]**

**Astrov, Igor; Gordon, Boris** Proceedings of the International Conferences : Recent Researches in Applied Information Science : [Faro, Portugal, May 2-4, 2012] 2012 / p. 32-37 : ill [CD-ROM]

**Neural network motion control of VTAV by NARMA-L2 controller for enhanced situational awareness**

**Astrov, Igor; Berezovski, Natalya** International journal of computer, electrical, automation, control and information engineering 2015 / p. 1784-1788 : ill <http://scholar.waset.org/1999.4/10001781>

**Olukorrateadliku käitumise matkimine otsustustoes**

**Meriste, Merik; Rannat, Kalev; Mõtus, Leo; Teichmann, Mare; Kelder, Tõnis; Helekivi, Jüri** Sõjateadlane 2020 / p. 177-206

[https://www.ester.ee/record=b4555087\\*est](https://www.ester.ee/record=b4555087*est)

**Simulink/MATLAB based comparison of neural and basic tracking control for an autonomous surface vessel for situation awareness applications**

**Astrov, Igor; Udal, Andres; Pedai, Andrus; Sell, Raivo** 2019 IEEE 19th International Symposium on Computational Intelligence and Informatics and 7th IEEE International Conference on Recent Achievements in Mechatronics, Automation, Computer Sciences and Robotics (CINT-MACRo) 2019 / p. 000105 - 000110 : ill

**Situational awareness based neural flight control of a coaxial rotor/ducted-fan helicopter**

**Astrov, Igor; Pikkov, Mihhail; Paluoja, Rein** Recent advances in systems science : proceedings of the 17th International Conference on Systems (part of CSCC '13) : Rhodes Island, Greece, July 16-19, 2013 2013 / p. 54-59 : ill

**Sniper line-of sight calculations for route planning in asymmetric military environments**

**Kreison, Ove; Ruuben, Toomas** Modelling and Simulation for Autonomous Systems : Third International Workshop, MESAS 2016, Rome, Italy, June 15-16, 2016 : revised selected papers 2016 / p. 359-370 : ill [http://dx.doi.org/10.1007/978-3-319-47605-6\\_29](http://dx.doi.org/10.1007/978-3-319-47605-6_29)

**Towards shared understanding on common ground, boundary objects and other related concepts**

Koskela, Lauri; **Pikas, Ergo**; Gomes, Danilo 24th Annual Conference of the International Group for Lean Construction : Boston, USA, 20-22 July 2016 : proceedings 2016 / p. 63-72 <http://iglc.net/Papers/Details/1352>

**Two-rate LQG control of VTAV for enhanced situational awareness**

**Astrov, Igor** Recent advances in circuits, systems, signal processing and communications : proceedings of the 8th WSEAS International Conference on Circuits, Systems, Signal and Telecommunications (CSST '14) : Tenerife, Spain, January 10-12, 2014 2014 / p. 163-168 : ill

**Two-rate neural control of UAV with coaxial rotor and ducted fan configuration for enhanced situational awareness**

**Astrov, Igor; Pedai, Andrus; Gordon, Boris** Proceedings of 9th International Conference 2012 ELEKTRO : May 21 - 22, 2012, Žilina-Rajecké Teplice, Slovakia 2012 / p. 159-164 : ill <https://ieeexplore.ieee.org/document/6225630>

**Two-rate neural predictive control of coaxial rotor/ducted-fan UAV for enhanced situational awareness**

**Astrov, Igor; Berezovski, Natalya; Pikkov, Mihhail; Kimlaychuk, Vadim** International Conference on Information Society (i-Society 2015) : London, UK, November 9-11, 2015 2015 / p. 127-132 : ill <http://dx.doi.org/10.1109/i-Society.2015.7366873>