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**Publications**

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**Journal Papers**

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1. F. Piltan, N. Sulaiman, A. Jalali and **K. Aslansafat**, "Evolutionary Design of Mathematical tunable FPGA Based MIMO Fuzzy Estimator Sliding Mode Based Lyapunov Algorithm: Applied to Robot Manipulator," *International Journal of Robotics and Automation*, vol. 2, no. 5, pp. 317-343, 2011. [Link](#)
2. M. Kamarlouei, H. Ghassemi, **K. Aslansafat** and D. Nematy, "Multi-objective Evolutionary Optimization Technique Applied to Propeller Design," *Acta Polytechnica Hungarica*, vol. 11, no. 09, pp. 163-182, 2014. [Link](#)
3. **K. Aslansafat** and G. Latif-Shabgahi, "Novel Method for Systematic Sensitivity Analysis of N-Modular Redundancy (NMR) Architecture through their Fault Tree Model," *Journal of Intelligent Procedures in Electrical Technology (JIPET)*, vol. 5, no. 20, pp. 3-14, 2014. [Link](#)
4. G. Latif-Shabgahi, **K. Aslansafat** and B.G. Mahdi, "Formulation the Reliability and Safety of Cold Standby Sparing Systems through Markov Model," *Journal of Industrial Engineering*, vol. 49, no. 2, pp. 273-285, 2015. [Link](#)

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**Conference Papers**

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1. **K. Aslansafat** and G. Latif-Shabgahi, "A Novel Classification for Underwater Robots," in *5th Offshore Industries Conference*, Tehran, Iran, 2013.
  2. **K. Aslansafat** and G. Latif-Shabgahi, "Systematic Methods in Markov Reliability Modelling of Reconfigurable NMR Architecture with Cold Standby Spare," in *16th Iranian Electrical Engineering Students Conference*, Kazerun, Iran, 2013.
  3. **K. Aslansafat** and G. Latif-Shabgahi, "A New Method in Drawing Reliability Markov Model of Reconfigurable TMR Systems with Frequency Formulations," in *5th Iranian Conference on Electrical & Electronics Engineering (ICEEE)*, Gonabad, Iran, 2013.
  4. G. Latif-Shabgahi, B.-G. Mahdi and **K. Aslansafat**, "Formulation the Reliability and Availability of Industrial Systems with Cold Backups," in *3th International conference on Reliability*, Tehran, Iran, 2013.
  5. **K. Aslansafat**, G. Latif-Shabgahi and M. Kamarloie, "Faults Taxonomy in Autonomous Underwater Vehicle and Provide their Fault Tree," in *15th Marine Industries Conference*, Kish, Iran, 2013.
  6. **K. Aslansafat** and G. Latif-Shabgahi, "Reliability and Availability Formulation of NMR Architecture in Reliable Systems," in *9th Maintenance Conference*, Tehran, Iran, 2014.
  7. **K. Aslansafat**, G. Latif-Shabgahi and S. Zaferanchi, "A Systematic Method for Sensitivity Analysis of Module Failure in NMR Architecture Based on Fault Tree," in *9th Maintenance Conference*, Tehran, Iran, 2014. DOI: 10.13140/2.1.4604.0328
  8. S. Zaferanchi, **K. Aslansafat** and G. Latif-Shabgahi, "Availability Evaluation of Wireless Sensor Network through Fault Tree," in *9th Maintenance Conference*, Tehran, Iran, 2014.
  9. **K. Aslansafat**, G. Latif-Shabgahi and M. Kamarlouei, "A Strategy for Reliability Evaluation of Autonomous Underwater Gliding Robots," in *Third International Conference on Robotics, Automation and Communication Engineering (ICRACE 2014)*, Dubai, 2014.
  10. G. Latif-Shabgahi, S. Zaferanchi and **K. Aslansafat**, "MTBF Evaluation of Standby Sparing System by Means of Markov Model," in *10th Maintenance Conference*, Tehran, Iran, 2015.
  11. M. Bahar-Gogani, M. Ramezani, A. Yazdizadeh, **K. Aslansafat**, "Reliability Evaluation in Propulsion System of Diesel-Electric Locomotive through Fuzzy Fault Tree", in *4th International Conference on Recent Advances in Railway Engineering (ICRARE2015)*, University of Science and Technology, Tehran, Iran.
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