

**Dr. M. Tahir Khan**

University of Engineering and Technology, Pakistan

**Selected Scholarly Contributions [Data Provided by Scopus ]**

Haq, I., Anwar, S., Shah, K., Khan, M.T., Shah, S.A.

[Fuzzy logic based edge detection in smooth and noisy clinical images](#)

(2015) PLoS ONE, 10 (9), art. no. e0138712, .

Abid, A., Khan, M.T., De Silva, C.W.

[Fault detection in mobile robots using sensor fusion](#)

(2015) 10th International Conference on Computer Science and Education, ICCSE 2015, art. no. 7250209, pp. 8-13.

Khan, M.T., Qadir, M.U., Nasir, F., De Silva, C.W.

[A framework for a fault tolerant multi-robot system](#)

(2015) 10th International Conference on Computer Science and Education, ICCSE 2015, art. no. 7250242, pp. 197-201.

Khan, M.T., Qadir, M.U., Abid, A., Nasir, F., De Silva, C.W.

[Robot fault detection using an artificial immune system \(AIS\)](#)

(2015) Control and Intelligent Systems, 43 (2), pp. 107-117.

Shah, K., Haq, I.U., Ali Shah, S., Khan, F.U., Khan, M.T., Khan, S.

[Erratum: Experimental study of direct laser deposition of Ti-6Al-4V and inconel 718 by using pulsed parameters \(Scientific World Journal \(2015\)\)](#)

(2015) Scientific World Journal, 2015, art. no. 487439, .

Khan, M.T., Izhar, Nasir, F., Qadir, M.U., De Silva, C.W.

[Multi-robot cooperation framework based on artificial immune system](#)

(2015) Control and Intelligent Systems, 43 (3), pp. 159-167.

Shah, K., Haq, I.U., Shah, S.A., Khan, F.U., Khan, M.T., Khan, S.

[Experimental study of direct laser deposition of ti-6al-4v and inconel 718 by using pulsed parameters](#)

(2014) The Scientific World Journal, 2014, art. no. 841549, .

Qazi, A.J., De Silva, C.W., Khan, A., Khan, M.T.

[Performance analysis of a semiactive suspension system with particle swarm optimization and fuzzy logic control](#)

(2014) The Scientific World Journal, 2014, art. no. 174102, .

Khan, M.T., Izhar, Nasir, F., Qadir, M.U., Iqbal, J.

[Artificial immune system based framework for multi-robot cooperation](#)

(2014) Proceedings of the 9th International Conference on Computer Science and Education, ICCSE 2014, art. no. 6926429, pp. 50-55.

Khan, M.T., Hussain, S., Bakhtair, S., Khan, A.Z., Javed, S., Iqbal, J.

[Fault detection in robot sensors using negative selection algorithm](#)

(2014) Proceedings of the 9th International Conference on Computer Science and Education, ICCSE 2014, art. no. 6926427, pp. 38-43.

Khan, M.T., De Silva, C.W.

[Autonomous and market-based fault tolerant algorithms for multi-robot cooperation](#)

(2014) Journal of Information Science and Engineering, 30 (2), pp. 483-500.

Maghsoud, P., De Silva, C.W., Khan, M.T.

[Autonomous and cooperative multirobot system for multi-object transportation](#)

(2014) Proceedings of the 9th International Conference on Computer Science and Education, ICCSE 2014, art. no. 6926456, pp. 211-217.

Khan, M.T., De Silva, C.W.

[Multi-robot cooperation using an immune system model for multi-object transportation](#)

(2013) International Journal of Robotics and Automation, 28 (1), pp. 42-56.

Khan, M.T., De Silva, C.W., Khan, A.

[Auction-based fault-tolerant multi-robot cooperation](#)

(2012) Proceedings of the IASTED International Conference on Engineering and Applied Science, EAS 2012, pp. 163-167.

Khan, M.T., De Silva, C.W.

[Autonomous and robust multi-robot cooperation using an artificial immune system](#)

(2012) International Journal of Robotics and Automation, 27 (1), pp. 60-75.

Khan, M.T., Imanuel, T., Gabo, Y., Desilva, C.W.

[Robust multi-robot cooperation using an idiotypic model of artificial immune systems](#)

(2010) ASME International Mechanical Engineering Congress and Exposition, Proceedings (IMECE), 8 (PARTS A AND B), pp. 579-586.

Khan, M.T., De Silva, C.

[Immune system-inspired dynamic multi-robot coordination](#)

(2010) Proceedings of the ASME International Design Engineering Technical Conferences and Computers and Information in Engineering Conference 2009, DETC2009, 3, pp. 37-43.

Siriwardana, P.G.D., Khan, M.T., De Silva, C.W.

[Object pose estimation for multi-robot cooperative object transportation](#)

(2010) Proceedings of the ASME International Design Engineering Technical Conferences and Computers and Information in Engineering Conference 2009, DETC2009, 3, pp. 449-457.

Khan, M.T., De Silva, C.

[Immune system-inspired dynamic multi-robot coordination](#)

(2009) Proceedings of the ASME Design Engineering Technical Conference, 3, pp. 37-43.

Siriwardana, P.G.D., Khan, M.T., De Silva, C.W.

[Object pose estimation for multi-robot cooperative object transportation](#)

(2009) Proceedings of the ASME Design Engineering Technical Conference, 3, pp. 449-457.

Khan, M.T., De Silva, C.W.

[Autonomous fault tolerant multi-robot coordination for object transportation based on artificial immune system](#)

(2009) 2009 2nd International Conference on Robot Communication and Coordination, RoboComm 2009, art. no. 4957460, .

Khan, M.T., De Silva, C.W.

[Autonomous fault tolerant multi-robot cooperation using artificial immune system](#)

(2008) Proceedings of the IEEE International Conference on Automation and Logistics, ICAL 2008, art. no. 4636225, pp. 623-628.