DAVID SANDERS – PAPERS IN PRESS + SUBMITTED

(a full list of publications can be made available if required).

IN PRESS

Sanders, D, Tewkesbury, G, Kyberd, P, Haddad, M, Zhou, S & Langner, MC 2021, 'Model reference control for a powered wheelchair', *Journal of Physics, (Accepted for publication)*.

Haddad, MJM, **Sanders, D**, Tewkesbury, G & Bausch, N 2019, 'Analysing the Behaviour of Three Discrete Multi-Criteria Decision Making Methods in the Presence of Uncertainty', *Operational Research Perspectives. (Accepted for publication).*

Sanders, D, Tewkesbury, G, Haddad, M, Zhou, S & Gegov, A 2021, 'An assistance system for collision avoidance using context-sensitive prediction', *Journal of Physics, (Accepted for publication).*

Haddad, M, **Sanders, D**, Tewkesbury, G, Langner, MC & Keeble, WM 2021, 'A novel collision avoidance approach for powered wheelchair steering using deep learning', *Journal of Physics, (Accepted for publication)*.

Haddad, M, **Sanders, D**, Tewkesbury, G, Langner, MC, Muhyaddin, SF & Ibrahim, M 2021, 'Computer-vision algorithms to steer powered wheelchairs', *Journal of Physics, (Accepted for publication)*.

Langner, MC, **Sanders, D**, Tewkesbury, G, Haddad, M & Zhou, S 2021, 'Human machine interaction using zero force sensing switches incorporating self-adaptation', *Journal of Physics, (Accepted for publication)*.

Sanders, D, Tewkesbury, G, Zhou, S, Haddad, M & Simandjuntak, S 2021, 'Model-based prediction for navigation assistance using a set of sensors', *Journal of Physics, (Accepted for publication)*.

Haddad, M, **Sanders, D**, Tewkesbury, G, Zhou, S & Langner, MC 2021, 'Perception of semi-autonomous intelligent vehicles such as smart powered wheelchairs', *Journal of Physics, (Accepted for publication)*.

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Malik Jamal Musa Haddad, **David Sanders**, Alexander Gegov, Mohamed Hassan Sayed, Ya Huang & Mo Al-Mosawi, 2019, Combining multiple criteria decision making with vector manipulation to decide on the direction for a powered wheelchair (Accepted for publication) *Advances in Intelligent Systems and Computing*.

David Sanders, Langner, M., Nils Bausch, Ya Huang, Sergey Andreyevich Khaustov & Sarinova Simandjuntak, 2019, Improving human-machine interaction for a powered wheelchair driver by using variable-switches and sensors that reduce wheelchair-veer (Accepted for publication) *Advances in Intelligent Systems and Computing*.

David Sanders, Ogechukwu Mercy Okonor, Langner, M., Mohamed Hassan Sayed, Sergey Andreyevich Khaustov & Peter Osagie Omoarebun, 2019, Using a simple expert system to assist a powered wheelchair user. (Accepted for publication) Advances in Intelligent Systems and Computing.

SUBMITTED

Sanders D. 2019. Recognizing manufacturing parts using artificial neural networks and Fourier descriptors. *Proceedings of the Institution of Mechanical Engineers - Part B-Journal of Engineering Manufacture.* Submitted.

Sanders D. 2019. Using design-for-assembly techniques to increase the efficiency of manufacturing processes. *Assembly Automation Journal.* Submitted.

Haddad M, **Sanders, D**, Tewkesbury GE and Bausch N. 2019. Visual representation of stability for three discrete Multi-Criteria Decision Making Methods. *Journal of Operations Research Society ISSN: 1476-9360*. Submitted.

Sanders D. 2019. Measuring performance of reverse supply chains in manufacturing. *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*. Submitted.

Sanders D. 2019. A new way of measuring the performance of manufacturing reverse supply chains. *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*. Submitted.