

Environmental planning based on reduce, reuse, recycle and recover using artificial intelligence

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Abstract

Waste disposal was a significant challenge faced by the community and government. Customers buy and use goods that produce a considerable amount of waste. Waste management is a major problem since the number of consumers increased due to high waste generation. This has resulted in a huge amount of waste, which calls for enormous waste-management policies. Reduce; Reuse, Recycle, and Recover are the tools to reduce the adverse implications of retailing and manufacturing on the environment. In this paper, Artificial Intelligence based Hybridized Intelligent Framework (AIHIF) has been proposed for automated recycling to optimizing the waste management process. The system will optimize waste collection with a short distance by utilizing machine learning and graph theory. AI design technology, which helps different approaches adapted to interest groups, collecting their specific information and greatly improving environmental planning and urban management performance, accuracy, and efficiency. The experimental results show that the proposed method enhances performance and accuracy when compared to other existing methods..

Biography:

Yue Zhang as a currently work as an associate professor at Westlake University. From Jul 2012 to Aug 2018, I worked as an assistant professor at Singapore University of Technology and Design (SUTD). Before joining SUTD, I worked as a postdoctoral research associate at University of Cambridge. I received my PhD degree from University of Oxford in Dec 2009, working on statistical Chinese processing for my thesis. I received my MSc degree from University of Oxford in Oct 2006, working on statistical machine translation from Chinese to English by parsing (MSc thesis). I received my undergraduate degree on Computer Science from Tsinghua University, China.

References :

- Dede, C. (2018, October 19). The 60-year curriculum: Developing new educational models to serve the agile labor

markets. The evollution: A destiny solutions illumination.

- https://evollution.com/revenue-streams/professional_development/the-60-year-curriculum-developing-new-educational-models-to-serve-the-agile-labor-market/
- Gallagher, S. R. (2016). The future of university credentials: New developments at the intersection of higher education and hiring. Harvard Education Press. Jones-Schenk, J. (2018). Alternative credentials for workforce development. Journal of Continuing Education in Nursing, 49(10), 449-50. Doi: 10.3928/00220124-20180918-03

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