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**Conference name:** 2018 International Joint Conference on Metallurgical and Materials Engineering, JCMME 2018

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**Abstract:** The proceedings contain 68 papers. The topics discussed include: similarity attraction-based mobile advertising: designing and testing; adaptive fractional PID control of biped robots with time-delayed feedback; auto-tuning for cascade PID height position controller of rotorcraft; research on IFLP optimization model for carbon emission reduction; forecasting N<sub>2</sub>O emission and nitrogen loss from swine manure composting based on BP neural network; study on the ecological wisdom of the grape drying room in Mazar village of Turpan from the perspective under the constraint of regional resources, China; using control charts for on-line video summarization; CNN and RNN mixed model for image classification; and ghost-removal image warping for optical flow estimation.

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