

creation capabilities to simulate rapidly the underground emergency action plans in three-dimensional environment and realize the function of planning, deploying and rehearsal of the emergency action plan when mine encounters significant security risks.

CONFLICT OF INTEREST

The authors confirm that this article content has no conflict of interest.

ACKNOWLEDGEMENTS

This research was supported by the National Key Technology R&D Program (No.2012BAK04B09), the Fundamental Research Funds for the Central Universities (No. CDJZR13240022), the Natural Science Fund for creative research groups in China (No. 51304256; 51204216) and China Postdoctoral Science Foundation (No. 2013M540620), which are all greatly appreciated.

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Received: October 5, 2014

Revised: November 13, 2014

Accepted: November 16, 2014

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