

Development of Management System of the Experience of Defensive Modeling and Simulation by Data Mining Approach

Authors : D. Nam Kim, D. Jin Kim, Jeonghwan Jeon

Abstract : Defense Defensive Modeling and Simulation (M&S) is a system which enables impracticable training for reducing constraints of time, space and financial resources. The necessity of defensive M&S has been increasing not only for education and training but also virtual fight. Soldiers who are using defensive M&S for education and training will obtain empirical knowledge and know-how. However, the obtained knowledge of individual soldiers have not been managed and utilized yet since the nature of military organizations: confidentiality and frequent change of members. Therefore, this study aims to develop a management system for the experience of defensive M&S based on data mining approach. Since individual empirical knowledge gained through using the defensive M&S is both quantitative and qualitative data, data mining approach is appropriate for dealing with individual empirical knowledge. This research is expected to be helpful for soldiers and military policy makers.

Keywords : data mining, defensive m&s, management system, knowledge management

Conference Title : ICDKIM 2016 : International Conference on Data, Knowledge and Innovation Management

Conference Location : Bangkok, Thailand

Conference Dates : August 30-31, 2016