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面向智能应急的地震应急决策知识(PDF)

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Title: Intelligent emergency-oriented earthquake emergency decision knowledge

作者: [徐敬海](#)^{1; 2}; [聂高众](#)²

1. 南京工业大学 测绘学院地球空间信息与综合减灾研究所,江苏 南京 210009;
2. 中国地震局地质研究所,北京 100029

Author(s): [XU Jinghai](#)^{1; 2}; [NIE Gaozhong](#)²

1. Institute of Geospatial Information and Comprehensive Disaster Reduction, College of Geomatics Engineering, Nanjing University of Technology, Nanjing 210009, China;
2. Institute of Geology, China Earthquake Administration, Beijing 100029, China

关键词: [地震应急](#); [智能应急](#); [地震应急决策知识](#); [知识建模](#)

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摘要: 通过分析目前地震应急工作的不足,提出了地震应急决策知识的概念.论述了地震应急决策知识的应用需求,给出了地震应急决策知识的定义并介绍了其来源.结合目前地震应急工作内容,阐述了常用的地震应急决策知识,包括:应急基本信息与术语类知识、灾情预估类知识、应急辅助决策类知识和应急搜救指挥决策类知识等.为实现地震应急决策知识的计算机智能应用,提出了地震应急决策知识体系模型,并分别描述了该体系中每种地震应急决策知识的内容及其应用,从而为智能地震应急提供支持.

Abstract: Through the analysis of the weakness of earthquake emergency work, this paper puts forward the concept of earthquake emergency decision knowledge, expounds the application need of the knowledge, gave the definition of the knowledge and introduced the source of the knowledge. According to current earthquake emergency work content, the often used earthquake emergency knowledge was described, which includes emergency basic information and terminology type knowledge, disaster information evaluation type knowledge, emergency aided decision type knowledge and emergency search and rescue command type knowledge. In order to realize the computer intelligent application of the knowledge, a knowledge system modeling was proposed. Then the content and application of each type of knowledge were described. In a word, this work provides support to intelligent earthquake emergency.

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作者简介:徐敬海(1977-),男,副教授,主要从事地震应急、空间技术减灾集成与工程应用研究.E-mail:xu_jing_hai@163.com

通讯作者:聂高众,研究员,博士生导师.E-mail:niegz@ies.ac.cn

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