

## عنوان مقاله:

Rule Based Modeling of Fire Protection Planning in Building Design

## محل انتشار:

ششمین کنفرانس بین المللی مهندسی عمران (سال: 1382)

تعداد صفحات اصل مقاله: 7

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## خلاصه مقاله:

Building design in Civil Engineering is characterized by the co-operation of experts in multiple disciplines. Fire protection planning lays the foundations for the rescue of persons and the protection of property. To guarantee a consistent fire protection in building design the planning experts and their design models have to be included into a distributed modeling system. This paper shows the integration of a rule model for fire protection planning and an approach for verifying building models to the requirements of fire protection planning. To achieve this, a co-operative planning environment is established. With the use of mobile software-agents every planner is able to determine information from the distributed building model and to verify his work with the defined fire protection model. This is realized by the integration of a rule based expert system into the mobile software-agent. This mobile agent is enabled to communicate with other agents to acquire the distributed model information through a fire protection planning ontology

## کلمات کلیدی:

Agent based Modeling; Rule based Modeling; Rule Processing; Concurrent Engineering; Fire Protection Modeling

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1121>

