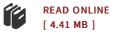


## A Pattern Language of Firefighting Frontline Practice to Inform the Design of Ubiquitous Computing

By Sebastian Denef

Shaker Verlag Nov 2011, 2011. Taschenbuch. Condition: Neu. Neuware - Designing computing systems for frontline firefighting in an open challenge. As of today, little computing support exists for such hazardous environments and designers struggle to build appropriate systems that fit the complex configuration on the frontline. Following Christopher Alexander`s understanding, design is about producing living transformations of existing configurations, it requires a thorough understanding of the situation on-site. Alexander introduces pattern languages as a means to describe existing configurations and to make them accessible for design, to link ethnography and design. This thesis therefore develops a pattern language of firefighters`activities at the frontline to transform the existing practice into a design space for computing support. Grounded theory, as a qualitative method to identify patterns in empirical data, an action research, as a framework that allows studying the interaction between new technologies and existing practice, solidify the methodology of pattern research and are applied to conduct and analyze workshops with French and German firefighters at professional training facilities. Workshops comprise the observation of existing practice, the active participation in firefighting exercises and the introduction of novel artifacts. Linked up as a pattern language, 16 patterns describe the configuration of frontline firefighting ....



## Reviews

This is an amazing book that I actually have actually read through. I am quite late in start reading this one, but better then never. You will not truly feel monotony at anytime of the time (that's what catalogs are for concerning should you ask me).

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