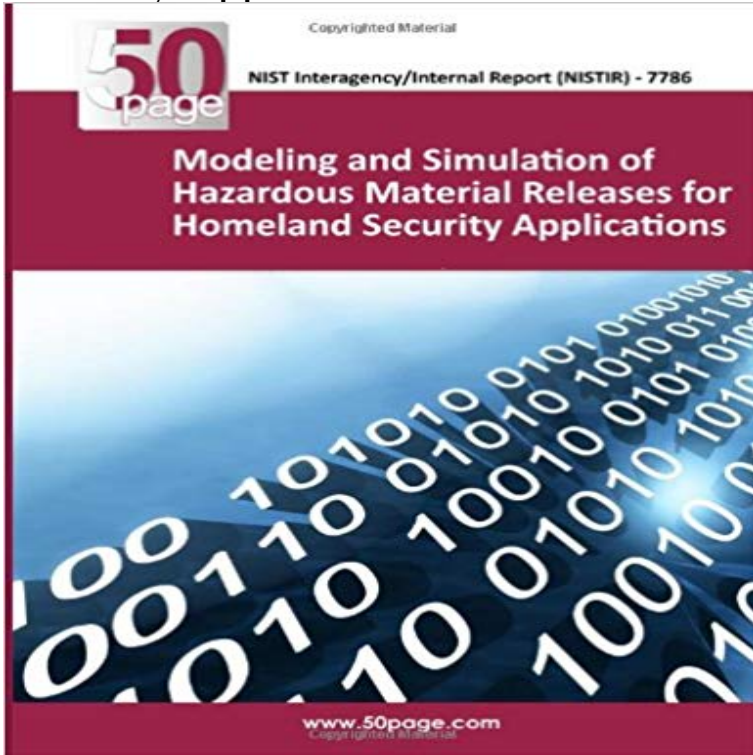


Modeling and Simulation of Hazardous Material Releases for Homeland Security Applications



The purpose of this document is to provide: 1) a compendium of information pertaining to the modeling and simulation of hazardous material releases, and 2) a foundation for the establishment of a modeling and simulation technical interest group whose focus is information exchange on hazardous material release issues. The document includes relevant, publicly available information from a number of sources within Department of Homeland Security (DHS) and the modeling and simulation (M&S) community. The document defines an initial set of user/customer needs. An initial set of M&S system requirements is provided. Hazardous material release M&S information sources and capabilities such as projects, tools, standards, and data sets are also identified. The document concludes with a discussion of issues, concerns, and recommendations for advancing M&S for hazardous material releases. It also provides references for further information on topics addressed in this report.

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