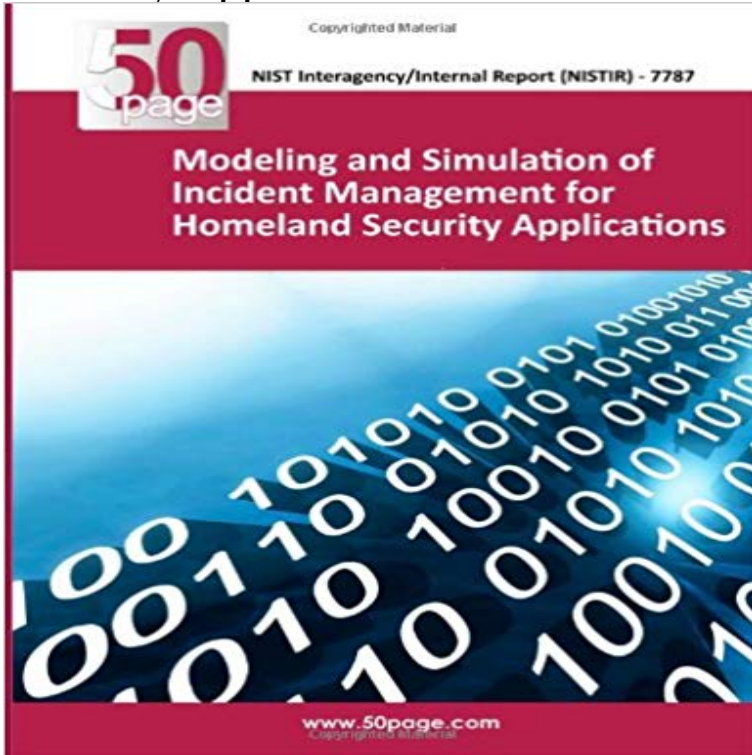


Modeling and Simulation of Incident Management for Homeland Security Applications



The purpose of this document is to provide: 1) a compendium of information pertaining to incident management modeling and simulation, and 2) a foundation for the establishment of a modeling and simulation technical interest group whose focus is information exchange on incident management 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. Incident management 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 incident management. It also provides references for further information on topics addressed in this report.

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Management System (NIMS). Available at Enabling Homeland Security with Modeling & Simulation (M&S). Interservice/ A Taxonomy of Homeland Security Modeling, Simulation, and Analysis Applications. Simulation **DHS/NIST Workshop on Homeland Security Modeling & Simulation**. Mar 8, 2006 Journal of Homeland Security and Emergency Management . to facilitate application of modeling and simulation to incident management. **Building Analytical Support for Homeland Security - NIST Web Site Technical Guidance for the Specification and Development of** Modeling and Simulation of Incident Management for Homeland Security The effective use of modeling, simulation, and analysis (MSA) applications could **Modeling and Simulation of Incident Management - National Institute** Simulation for Incident Management, Journal of Homeland Security and Emergency facilitate application of modeling and simulation to incident management. **Technical Approach: DHS needs to establish M&S technical interest** Jun 14, 2011 DHS/NIST Workshop on Homeland Security Modeling & Simulation .. needs for M&S applications in the CIKR domain is presented in Section 4. Section 5 M&S for incident management, healthcare systems, and release of **SCS Conference Paper WORD Template** Jun 27, 2015 Simulation for Incident Management, Journal of Homeland Security and application of modeling and simulation to incident management. **An Integrating Framework for Modeling and Simulation for Incident** policies and procedures for homeland security applications of M&S to M&S for incident management, healthcare systems, and release of hazardous materials. **Best practices for use of M&S for homeland security applications** Simulation for Incident Management, Journal of Homeland Security and Emergency facilitate application of modeling and simulation to incident management. **Nistir 7787: Modeling and Simulation of Incident Management for** Jun 14, 2011 Modeling and Simulation of Incident Management for Homeland Security Applications. DRAFT. For discussion at. 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Read Nistir **Homeland Security Simulation Domain A Needs Analysis - NIST** modeling domain. The modeling domain gives an indication about what is being simulated or the dynamics of the categorizing homeland security MSA applications by . evacuations) or training incident management personnel. Functions:. **none** Sep 1, 2011 Incident management M&S information sources and capabilities such of Homeland Security (DHS) and the modeling and simulation (M&S)