

1. Record Nr.	UNINA9910627251803321
Titolo	Predicting Room of Origin Fire Hazards / / by The Society of Fire Protection Engineers
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	9783031086199 9783031086182
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (129 pages)
Collana	The Society of Fire Protection Engineers Series, , 2731-3646
Disciplina	363.3765
Soggetti	Fire prevention Buildings - Protection Buildings - Environmental engineering Buildings - Design and construction Building materials Thermodynamics Heat engineering Heat - Transmission Mass transfer Fire Science, Hazard Control, Building Safety Building Physics, HVAC Building Construction and Design Building Materials Engineering Thermodynamics, Heat and Mass Transfer
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Chapter1. Introduction -- Chapter2. Definitions -- Chapter3. Room of Origin Fire Hazard Analysis Methodology -- Chapter4. Room of Origin Fire Hazards Analysis Task 1: Select Approach -- Chapter5. Room of Origin Fire Hazards Analysis Task 2: Obtain Input Data -- Chapter6. Room of Origin Fire Hazards Analysis Task 3: Results Computation -- Chapter7. Worked Examples.
Sommario/riassunto	This engineering guide provides a methodology to define and quantify

the fire development and ensuing conditions within the room of fire origin from the fire's incipient stage through its full development. The approach presented in this guide was developed using the framework set forth in the SFPE Engineering Guide to Performance-Based Fire Protection. 2nd ed., Quincy, Mass.: National Fire Protection Association, 2007.) It consists of three distinct parts: 1. Approach selection 2. Input definition and data collection 3. Results computation Specifically, this guide was developed for use as a means to implement the requirements presented in Chapter 10 of the SFPE Engineering Guide to Performance-Based Fire Protection. However, material within this guide has broader applicability and is therefore not limited to performance-based design applications.
