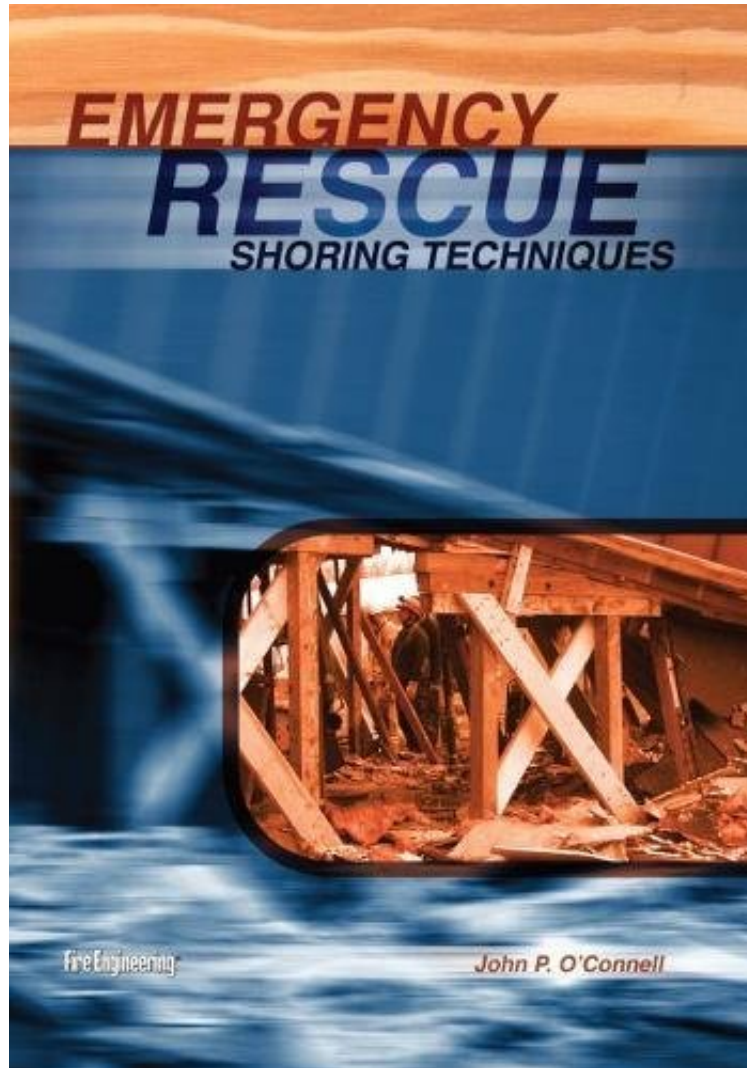


(Read free ebook) Emergency Rescue Shoring Techniques

Emergency Rescue Shoring Techniques

John P. O'Connell

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Finally, a complete resource on shoring and stabilization of emergency scenes. This new book takes the reader step-by-step through the basic principles of emergency shoring operations so they may learn to operate in a safe and efficient atmosphere while conducting search and rescue operations in unstable environments. O'Connell thoroughly covers the engineering aspects involved in shoring and stabilization, carefully explaining how to maintain the strength and integrity of any and all structurally damaged or unstable elements such as beams, joists, girders, columns, arches, headers, or bearing walls. This book includes a glossary and covers the basic terminology and instructions for shoring.

Key Features Benefits Teaches safe effective size-up techniques for shoring operations Detailed shoring construction Outlines the risks involved in stabilization Suitable for all firefighters, military, and construction personnel, as well as urban search and rescue teams

About the Author John P. O'Connell has been a member of FDNY for more than 24 years, and is currently assigned to Rescue Company No. 3. He is a New York State certified instructor, adjunct instructor for the New York State Academy of Fire Science, and certified instructor for the New York City Fire Department Division of Training, as well as an editorial advisory board member and contributing editor of Fire Engineering magazine. O'Connell also is actively involved in the Fire Department Instructor's Conference, and is the author of more than 30 articles on structural collapse. He teaches shoring seminars internationally.

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Shoring is one discipline that requires the proper amount of training and confidence before attempting it or someone can get seriously hurt. Many basic shoring classes available today give students only some of the overall techniques. But when involved in heavily damaged structures, none of which are square, the rescuer must be able to adapt the shores to the environment. This is where experience and thorough knowledge of types of shoring and techniques are necessary. Knowing what will and what will not work for each given scenario is a must in order to ensure the safety of the operation, the rescuers, and the victims.