Description

Loss prevention engineering describes all activities intended to help organizations in any industry to prevent loss, whether it be through injury, fire, explosion, toxic release, natural disaster, terrorism or other security threats. Compared to process safety, which only focuses on preventing loss in the process industry, this is a much broader field.

Here is the only one-stop source for loss prevention principles, policies, practices, programs and methodology presented from an engineering vantage point. As such, this handbook discusses the engineering needs for manufacturing, construction, mining, defense, health care, transportation and quantification, covering the topics to a depth that allows for their functional use while providing additional references should more information be required. The reference nature of the book allows any engineers or other professionals in charge of safety concerns to find the information needed to complete their analysis, project, process, or design.

About the Author

Joel M. Haight, PhD, P.E., is the Branch Chief of the Human Factors Branch at the Centers for Disease Control and Prevention (CDC)-National Institute of Occupational Safety and Health (NIOSH) at their Pittsburgh Office of Mine Safety and Health Research. For the nearly 10 years prior to this appointment, Dr. Haight served as an Associate Professor of Energy and Mineral Engineering at...
the Pennsylvania State University. He has a PhD and Master's degree in Industrial and Systems Engineering both from Auburn University.

Dr. Haight worked as a manager and an environmental and safety engineer for the Chevron Corporation for 18 years, prior to joining the faculty at Penn State. He has nearly 40 peer-reviewed publications and is the editor-in-chief of the American Society of Safety Engineer's - The Safety Professionals Handbook. He is a professional member of American Society of Safety Engineers, American Industrial Hygiene Association and the Human Factors and Ergonomics Society.