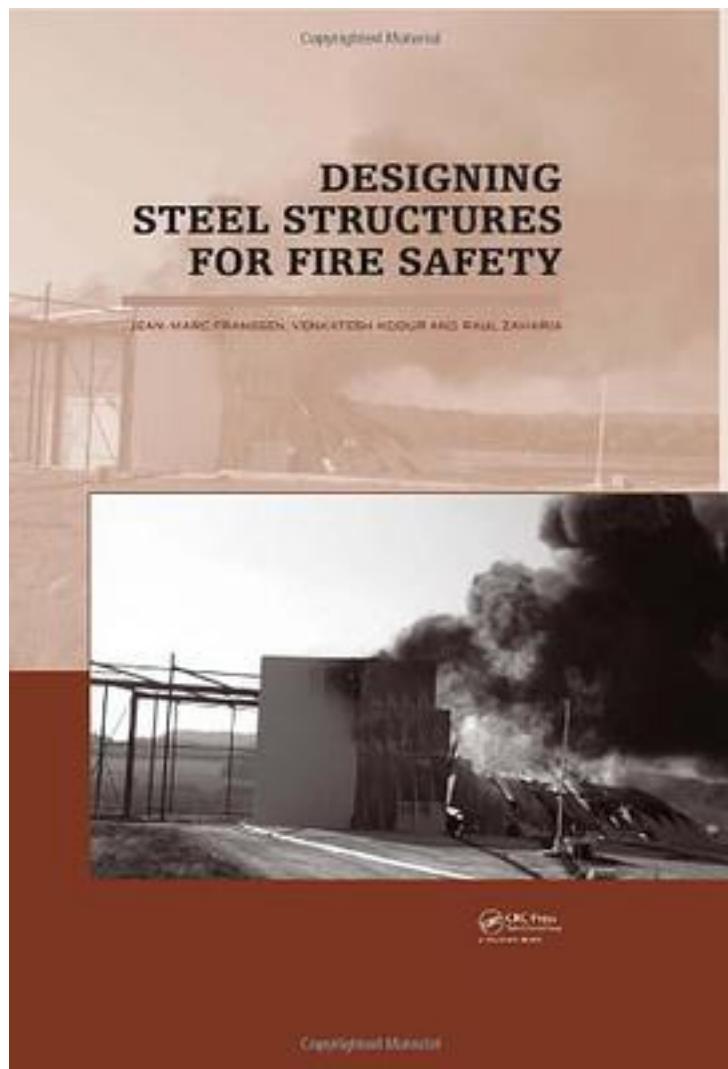


# Designing Steel Structures for Fire Safety



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出版者:

出版时间:2009-5

装帧:

isbn:9780415548281

Structural design in fire conditions is conceptually similar to structural design in normal temperature conditions, but often more difficult because of internal forces induced by thermal expansion, strength reduction due to elevated temperatures, and numerous other factors. In recent years there has been a growing interest in the development of codes and standards for evaluating fire resistance of structures, such as the Eurocodes. Designing Steel Structures for Fire Safety provides guidance for those wishing to apply engineering methodologies for fire design of steel structures. Theoretical and technical backgrounds help to understand more clearly the calculation methodologies, while examples on how a complete structure can be analyzed are also included. The volume will be invaluable to a worldwide audience, from academics, students and professionals in civil engineering and architecture, to building officials and regulators.

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