



# Introduction to Natural and Man-made Disasters and their Effects on Buildings

By Roxanna McDonald

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## **Introduction to Natural and Man-made Disasters and their Effects on Buildings** By Roxanna McDonald

This is a comprehensive guide to all types of natural and man made disasters and their effect on buildings. It gives overall guidance and a basic technical understanding of prevention, mitigation and management of disaster, and outlines a checklist of preventive design elements for each situation.

Every category is illustrated with a case study which pin points the essential information that is crucial to architects and engineers in designing buildings with disaster prevention in mind.

The aim of the book is to give a clear understanding of the nature of events and problems, and to enable readers to respond with knowledge to the unique demands placed on their designs.

A special emphasis is also placed on re-building as an opportunity to start again. For the specialists this is a process of constant learning and improving techniques in the light of events past.

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### **Editorial Review**

#### Review

...includes several case studies that are very interesting, perhaps the most interesting part to most people. – Architecture Boston

The appendices... are an important contribution – I have not previously found them all together in any single publication. – Architecture Boston

The appendices also contain an excellent bibliography, which will be helpful to both the serious disaster professional and interested citizen. – Architecture Boston

#### From the Back Cover

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Preface by Sir Bernard Feilden CBE, Director, Emeritus ICCROM and architectural conservation consultant  
Foreward by Salvano Briceno, Director of the UN International Strategy for Disaster Reduction Task Force.

#### About the Author

Born and brought up in Romania, trained as an architect at Ion Mincu Institute of Architecture in Bucharest. Graduated from Architectural Association School in London and postgraduate diploma in building conservation. Own architectural practice in the UK from 1983-92, mainly carrying out conservation and restoration work. Registered with Ordre des Architectes Francais in Paris in 1992 and restored and converted historic buildings in France. Extensive work in Eastern Europe including development of Romanian Electrical Energy Ministry network of standardised buildings for power stations. From 1998 has been architectural consultant for a leading British charity, working to rebuild childcare infrastructure in Eastern Europe.

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**Tammy Robinson:**

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