

[Journals & books](#)[Online tools](#)[Authors,
editors &
reviewers](#)[About Elsevier](#)[Community](#)[Store](#)

Structural Safety

An International Journal on Integrated Risk Assessment for Constructed Facilities

Structural Safety is an international journal devoted to integrated **risk assessment** for a wide range of **constructed facilities** such as buildings, bridges, earth structures, offshore facilities, dams, lifelines and nuclear structural systems. Its purpose is to foster communication about **risk** and **reliability** among technical disciplines involved in design and construction, and to enhance the use of risk management in the constructed environment. All aspects of quantitative safety assessment are of interest:

- **Loads** and **environmental effects**;
- **Material properties**;
- Prediction of **response** and **performance**;
- Treatment of **human error** and **engineering judgment**;
- **Quality assurance/control**; and
- Techniques of **decision analysis** and **risk management**.

[Guide for
Authors](#)[Submit Your
Paper](#)[Track Your
Paper](#)[Order Journal](#)[View Articles](#)

Benefits to authors

We also provide many author benefits, such as free PDFs, a liberal copyright policy, special discounts on Elsevier publications and much more. Please click here for more information on our [author services](#).

Please see our [Guide for Authors](#) for information on article submission. If you require any further information or help, please visit our support pages:

<http://support.elsevier.com>

[View full aims and scope](#)

Editor-in-Chief: B. R. Ellingwood

[View full editorial board](#)

Impact
Factor:
1.840

5-Year Impact
Factor: 2.382

Imprint:
ELSEVIER

ISSN: 0167-
4730

Stay
up-to-
date

Register your
interests and

Announcements

Watch new **AudioSlides**
created by our most
downloaded engineering
authors!



Visit our
dedicated
YouTube

channel to hear authors of
the 2012

top25 downloaded

Engineering articles explain
their paper in their own
words.

**Most
Downloaded
Articles**

receive email alerts tailored to your needs

[Click here to sign up](#)

Follow us

i

1. Probabilistic finite element analysis using ANSYS

Stefan Reh | Jean-Daniel Beley | ...

2. Structural reliability of concrete bridges including improved chloride-induced corrosion models

Kim Anh T. Vu | Mark G. Stewart

3. Effect of ground motion duration on earthquake-induced structural collapse

Meera Raghunandan | Abbie B. Liel

[VIEW ALL](#)

Conferences

OPTI 2014

Second International Conference on Vulnerability and Risk Analysis and Management (ICVRAM2014) & Sixth International Symposium on Uncertainty Modelling and Analysis (ISUMA2014)

[VIEW ALL](#)

ORDER NOW

**Modeling and Analysis of
Rare and Imprecise
Information**

Volume 32, Issue 6 (2010)

ORDER NOW

**Probabilistic Methods for
Modeling, Simulation and
Optimization of
Engineering Structures
under Uncertainty in
honor of Jim Beck's 60th
Birthday**

Volume 32, Issue 5 (2010)

Risk

ORDER NOW

acceptance

Volume 31, Number 2 (2009)

VIEW ALL



**Publish
your
article
Open
Access
in
Structural
Safety**

Journal Insights

Discover this journal's metrics



[FIND OUT MORE](#)

Most Cited Articles

i

Aleatory or epistemic? Does it matter?

Kiureghian, A.D. | Ditlevsen, O.

High-order limit state functions in the response surface method for structural reliability analysis

Gavin, H.P. | Yau, S.C.

Cascading failures in complex infrastructure systems

Dueñas-Osorio, L. | Vemuru, S.M.

[VIEW ALL](#)

Recent

i

Articles

Identification of critical samples of stochastic processes towards feasible structural reliability applications

Jan Podrouzek | Christian Bucher | ...

Estimating nominal strength of built-up CFRP laminates from standardized specimen tests

Naiyu Wang | Bruce R. Ellingwood

Reliability-based optimal design of linear structures subjected to stochastic excitations

Jia Wang | L.S. Katafygiotis

[VIEW ALL](#)

Share this page:

ADVERTISEMENT