

GENERAL

The guidance given on this page is accompanied by a synopsis template on page 2. Please use the formatting shown on page 2 exactly, e.g. bold sentence case for headings and titles.

Applicants must submit a project synopsis of a research project they are actively involved in for the Institution of Structural Engineers' Young Researchers' Conference. The abstract, including tables, references and space for images, should have a minimum length of half a page and must not exceed two pages. The abstract must be written in English with Arial 10 point font single spaced. Please do not use footers.

The synopsis must be written as a Word document, with your name as the filename, and be up to 1000 words in length, with the following suggested sub-headings as appropriate:

- Project objectives and goals
- Description of method and results
- Potential for application of results
- References

TABLES

Tables should be numbered consecutively and cited in the main text. Please be consistent when formatting tables. Leave one blank line before the table heading and one blank line after the table. Columns holding data should be centre justified, column giving parameter names or case names this should be left justified.

DIAGRAMS, ILLUSTRATIONS AND PHOTOGRAPHS

You may embed up to two illustrations in the synopsis document but only for the purposes of establishing that they will fit within the two page limit. Note that images in word files will be discarded as these will not have sufficient quality when transferred to the professional typesetting software used for preparing the Conference Proceedings.

Up to two illustrations can be used in the synopsis but these must be submitted as separate jpeg image files of sufficiently high resolution for professional printing, e.g. 300 dpi or 1MB each. Note that two or more images can NOT be submitted as one figure. Any submissions exceeding the requirements will not be accepted.

Illustrations must be referred to as figures in the text, and must be cited in the form 'Fig 1'. Captions for each figure must be given at the end of the synopsis. Please ensure that figures are of the highest quality and keep them as simple as possible. Avoid excessive notes.

Filenames for your images should be your name followed by Fig 1 or Fig 2.

EQUATIONS

Leave one blank line above and below any equation. Equations should be centred, and the equation reference right justified. Equations should be numbered consecutively and referred to in the text in the form 'Eqn 1'. Equations should be typed and all symbols should be explained within the text of the paper.

REFERENCES

All references should be in Harvard style. Do not use footnotes.

- For cited journals the format is:
Author name/s (year). Paper title, *Journal title* Journal volume: issue, pages.
- For books the format is:
Author name/s (year). *Book title*, publisher, place of publication.

When making a reference in the text to a published work, refer to it by enclosing the last name of the author and date of publication in parentheses, e.g. (Murakawa et al., 1995) (Oehlers and Bradford, 1995), or, if part of text, "Oehlers and Bradford (1995) describe...". All references should be cited in the text. Do NOT use automatic referencing, as this will not transfer to the professional typesetting software.

FUNDING BODY

If applicable, provide the name of any relevant funding bodies, separating each with a comma.

FURTHER INFORMATION

The name and email address of applicant and supervisor is to be displayed. If the project has a webpage/website then the url can be displayed.

COLLABORATORS

If applicable, provide the names of any other departments, universities or industry partners involved with the project or undertaking associated work; provide any relevant urls.

Innovative structural analysis of steel beams

John Smith

University of Somewhere

Project objectives and goals

Sample text sample text sample text sample text sample text sample text sample text sample text sample text sample text sample text sample text:

- Sample text for bullet list
- Sample text for bullet list
- Sample text for bullet list

Previous work by Murakawa et al, (1995) and Oehlers and Bradford, (1995) led toSample text sample text sample text sample text sample text sample text sample text sample text.

Description of method and results

The test rig up is shown in Fig 1. Sample text sample text sample text sample text sample text sample text sample text sample text sample text sample text sample text sample text:

Table 1 Sample text sample text

Material	Deflection x (mm)	Deflection y (mm)
Concrete beams	0.234	0.523
Steel beams	0.197	0.432

Table 1 shows the deflections for concrete and steel beams. Sample text sample text sample text sample text sample text sample text sample text sample text sample text sample text sample text sample text.

Potential for application of results

Eqn 1 gives the relationship developed from the results. Sample text sample text sample text sample text sample text sample text sample text sample text sample text sample text sample text sample text:

$$x = 2y + 1 \quad (1)$$

Fig 2 shows the device *in-situ*. Sample text sample text sample text sample text sample text sample text sample text sample text sample text sample text sample text sample text. Sample text sample text sample text sample text.

References

Murakawa, H., Ueda, Y. and Xiang, D. (1995). Effect of fluid force acting on colliding body upon damage given to offshore structures, *Journal of Constructional Steel Research* 33:3, 259-281.

Oehlers, D.J. and Bradford, M.A. (1995). *Composite Steel and Concrete Structural Members*, Pergamon, Oxford, U.K.

Funding body

Example Funding Trust for Research (EFTR)

Further information

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Collaborators

Department of Mathematics, University of Somewhere; Faraway University; Tata Steel; Engconsultants
www.bestconsortium.com

Fig 1 Test rig set up

Fig 2 Device *in-situ*