

# MAFELAP 2019 Abstracts

## instructions to authors

Please prepare your abstract, which can be up to one A4 page in length, using LaTeX, if possible, using the guidelines given below. You do not need to send a .pdf version. If you do not use LaTeX then please see below for comments about how to help us still include your submission.

The purpose of these guidelines is to help generate, in a smooth, efficient and uniform way an electronic version of the book of the abstracts and to gather together information such as author names, addresses, emails and optionally one URL per abstract. We will not be creating a paper version. To conform to these guidelines you just need to follow the instructions listed below.

### Structure of the LaTeX file containing the abstract

It would help us if you do not format the “top matter” details such as the names of the authors, the addresses and the title when you send the abstract to us. Do not worry if this does not look too good when it is first processed as we will add formatting at Brunel. The reason for this request is that we can more easily retrieve all the relevant top matter details so that we can create the contents and we can index the information in various ways. You just need to separate the top matter components by blank lines. It would also help if the structure of your file is as follows.

```
\documentclass[12pt]{article}
\usepackage[a4paper, margin=25mm]{geometry}
\begin{document}

%%Title follows

%%Authors with preferable one per line.
%%If there are several authors then please put the comment
%%    %% Speaker
%%at the end of the line to indicate who will probably give the talk.

%%Address or addresses follow of all the authors

%%As a comment the title of the mini-symposium if it is part of
%%a mini-symposium

\vspace{4mm}
%%Body of abstract follows

\end{document}
```

Thus in the case of one of the abstracts for MAFELAP 2016 an acceptable structure is as follows.

```

\documentclass[12pt]{article}
\usepackage[a4paper, margin=25mm]{geometry}
\begin{document}

%%Title follows
Continuum damage mechanics in SPH
based on particle interaction area

%%Authors with preferable one per line.
J.C. Campbell,$^a$      %% Speaker
K. Hughes,
Rade Vignjevic,
N. Djordjevic,
T. De~Vuyst

%%Address or addresses follow of all the authors
Structural Integrity Theme, Brunel University London, UK.

$^a$James.Campbell@brunel.ac.uk

%%As a comment the title of the mini-symposium
%%Mini-Symposium: Development and application of meshless methods

\vspace{4mm}
%%Body of abstract follows
The underlying concept of continuum damage mechanics is that...

\end{document}

```

As additional requests please note the following.

1. Please enter the words in the title as “The finite element method” and not as “THE FINITE ELEMENT METHOD”. The reason for this request is because we do not want every word to be in upper case in the table of contents.
2. If you have references in the main body of the abstract then these can be given inline in the form ‘as is shown in [J. T. Oden, The Mathematics of Finite Elements and Applications, Ed. J. R. Whiteman, 1993, pp. 1–24]’ or referenced in the text with the LaTeX `\cite` command. If the details of any reference are in a bibtex file then you will need to send the relevant part of the bibtex file as well so that we can process everything at Brunel.
3. If you are likely to be an author or co-author of more than one paper then it would help us if you let us know so that you appear properly in the author index that we create.
4. If the abstract has several authors and you later change your mind as to who will give the talk then please let us know.

5. We would prefer if the abstract does not include images, e.g. `.jpg` or `.png` etc.

Apart from the above requests, authors have almost complete freedom in the layout of the main body of the abstract with the main constraint being the length restriction of about 1 page.

## **Sending the abstract and the acknowledgement**

We need the LaTeX source file (or files). Please send this as an attachment to an email to be sent to the address

`Mike.Warby@brunel.ac.uk`

As already mentioned in the case of references, if more than one file is involved then please remember to attach all the files that we will need to process with LaTeX (e.g. a style file or a bibtex file that you refer to).

We will usually acknowledge email submissions in one or two days to let you know that it has arrived and, hopefully, that we can process it satisfactorily. If you do not receive any reply in at least 5 days then it is likely that your email has not reached us. If this is the case then please send again and send to both the addresses

`Mike.Warby@brunel.ac.uk`

`Carolyn.Sellers@brunel.ac.uk`

If your email submission still does not reach us then one possibility is for you to put your abstract temporarily on a web page that we can access you let us know in some way (e.g. telephone or FaX if email does not work) the address of the web page and we will access the LaTeX file in this way. Please also include an email address as you may still be able to receive our replies.

## **Non-LaTeX users**

If you do not use LaTeX and are having problems conforming to these guidelines then we may be able to still easily cope with your abstract.

If there are no special symbols required then you can just send a plain text file.

If you only use Word and your abstract only contains a minimal amount of mathematical symbols then we should still be able to easily convert it to LaTeX here at Brunel and include it with all the other abstracts. Please contact us to see if everything will be okay. In such cases you should send us the Word file and, if possible, the PDF that this creates.