

Guidelines to prepare extended abstracts for the IAGA WG 1.2 Workshops on Electromagnetic Induction in the Earth

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SUMMARY //mandatory//

In this document we describe how to prepare and submit extended abstracts of the presentations given in the 17th Electromagnetic Induction workshop hold on October 18-23, 2004 in Hyderabad, India. Local Organizing Committee will collect files and post them at the homepages of Hyderabad workshop (www.emindia2004.org) and at MTNet (www.geophysics.dias.ie/mtnet/). It should be noted that LOC will NOT DO any editorial work but will only post your file at given places. In other words, authors must provide "a camera-ready" copy of their abstract. The abstract file must be a PDF file (Adobe's Portable Document Format). Other types are not accepted. Similarly, files not meeting the format requirements specified in this document are not accepted.

In future, extended abstracts of the presentations submitted to the Electromagnetic Induction Workshops of the IAGA Working Group 1.2 (International Association of Geomagnetism and Aeronomy, Working Group on Electromagnetic Induction in the Earth) will be collected prior to workshops. Authors will have a possibility to update their abstracts after the workshop. Final set of extended abstracts will be posted to by the LOC of the workshop.

This documents is not a real template. Yet authors using MS-WORD can use this document in a similar manner by adding their text, figures and other relevant material, and submitting one single PDF-file to toivo.korja@oulu.fi BEFORE February 28, 2005. Authors using other platforms and word-processors (e.g. LaTeX) should format their documents according to instructions given in the text.

A reference to extended abstracts is of type: Meri, M., Jäämeri, J., and N.N., 2004. Guidelines to prepare extended abstracts for the IAGA WG 1.2 Workshop on Electromagnetic Induction in the Earth. Proceedings of the IAGA WG 1.2 Workshop on Electromagnetic Induction in the Earth, October 18-23, 2004, Hyderabad, India, S.1-P.01, 1-4. WWW-document.

Keywords: [Give 1 to 5 keywords](#)

INTRODUCTION //mandatory//

In the recent induction workshop (Hyderabad, India, October 18-23, 2004), the Working Group decided to collect extended abstracts of the presentations given in the workshop. Due to obvious reasons we do it for Hyderabad afterwards, but in future, our intention is to collect extended abstracts prior to workshop yet give a chance to update abstracts after the workshop. Local Organizing Committee collects abstracts and posts them at workshop homepages and MTNet. We hope that this approach would better serve our aim to

disseminate our results for a broader audience as well as help to follow our advances in methodology and other aspects of EM induction research.

These guidelines aim at helping you to prepare your extended abstract that meets the format requirements set for the extended abstracts of Hyderabad 2004 workshop (Meri et al., 2004). If you are using MS-WORD you can simply take this document and replace existing text with you own text and add figures and tables while preserving the format and style of the document. With other word-processors you must format your document using the available tools.

Maximum length of the abstract is 6 pages including the mandatory chapters / items given in Figure 1. The six pages must contain also all figures and tables necessary to illustrate the work and results.

<p>Mandatory sections of the extended abstract</p> <ul style="list-style-type: none">- Headers and footers (fixed)- Title and author(s)- Summary and keywords- Introduction- Other necessary chapters- Conclusions- References
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Figure 1. Content of an IAGA WG 1.2 extended abstract

More information on the content and format of each section is given in the next chapter followed by a chapter on figures, tables and equations. We finish with notes on the type of files (PDF) to be used to submit abstracts.

FORMATS AND STYLE // main chapter title//

Generally, all the text is written using regular 10 pts Times New Roman fonts or equivalent, having justified alignment and single line spacing with the following exceptions:

- Title and authors are given using Arial fonts (centered, 12 pts bold and 10 pts general, respectively)
- Main titles of chapters are bold, centered and capitalized
- Optional sub-titles are bold, left aligned but not capitalized

In this chapter we list information on (1) page setup, (2) headers and footers, (3) title and authors, (4) summary and keywords, (4) introduction and (5) other chapters. Inclusion of figures, figure captions, equations and tables are described in chapter "Figures, tables and equations".

Page setup // subtitle in main chapter //

The following parameters have been used for page setup in this document.

- Margins: 3 cm (top), 2 cm (other)
- Paper Size: A4 (21 cm x 29.7 cm), portrait
- Header and footer: 1.3 cm from margin, different first page header and footer

Headers and footers // subtitle in main chapter //

Header in the first page differs from other headers. In the first page, the header contains information on the workshop as well as the source of the downloaded file. Headers in subsequent pages contain abbreviated title (authors have to provide this) and the code of the presentation as given by LOC (you can find it from your abstract book or from the workshop homepages www.emindia2004.org). Footers are same in all pages and have page numbers and information on the workshop.

Title and authors // subtitle in main chapter //

Title should be written using bold 12 pts Arial fonts and authors and their affiliations regular 10 pts Arial fonts. Both the title and the author block are centered. Leave one blank line between the title and list of authors. Give one author and her/his affiliation and address in one line.

Title/author block is separated from the header and from the summary block by horizontal lines.

Some people have suggested not including email addresses in web-publications. But if you are happy with the email address in your abstract, please, add it.

Summary and keywords // subtitle in main chapter //

Summary should not exceed 2000 characters with spaces and it should span entire page (both columns). Use regular Times New Roman, 10 pts, justify, single line spacing. No references in summary. Avoid cryptic abbreviations in summary and use them only in text.

A horizontal line separates summary and keywords block and the main text block

Introduction // subtitle in main chapter //

Mandatory chapter

Other chapters // subtitle in main chapter //

You may add other chapters depending on the topic of your paper. Note that the title above (Other chapters) is a subtitle under FORMATS AND STYLE whereas your new chapters should have titles in capital letters.

FIGURES, TABLES AND EQUATIONS

Figures and figure captions as well as tables should be placed into appropriate places in the text i.e. the width of figures cannot be larger than the width of a single column. If page-wide figures (or tables) are needed,

single column formatting should be applied (Figures 3 and 4). Note, however, that it is technically possible, of course, add page-wide illustrations anywhere in the text. We would prefer that you place them at the end of the abstracts but if you really need to embed them into the text, then you need to enable/disable column formatting yourself.

Remember to check the size of labels, map texts etc. and use proper colour scales (and to plot reversed induction arrows until the team of un-reversed arrows wins a football match!)

Print your text before submitting the final version to check that all text etc. is readable in your figures. If readers cannot find out what is the content of the figure, it is easier and faster just to add a black box as in Figure 2.

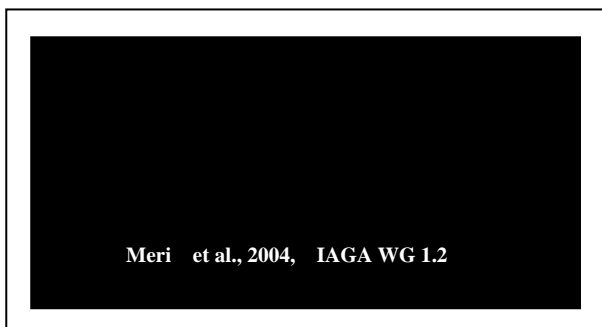


Figure 2. Text in figure captions should be Times New Roman, 10 pts, justified. Word "Figure" and figure number in bold as indicated here. In the text, refer to all figures and tables (Figure 1).

Some people have found it useful to add a brief reference onto figures for those who extract figures but later lose a control on the source of the figure (see Figure 2).

FILE TYPE AND SUBMISSION

Only pdf-files are accepted. **The size should not exceed 1 MB.**

Send your abstract file to toivo.korja@oulu.fi before 28.02.2005. Name your file according to the following rule: Sx-Py-author.pdf for posters and Sx-Oy-author.pdf for orals, where x is the session number and y the number of the poster or oral contribution, i.e.

S5-P13-korja.pdf

CONCLUSIONS //mandatory//

We have described how to prepare extended abstracts of the presentations given in the IAGA WG 1.2 workshops on Electromagnetic Induction in the Earth.

We hope that in long term it is good for the WG to use common format in abstracts and therefore achieve a neat appearance of our abstracts that hopefully are widely distributed from MTNet.

Important limits are

- only pdf-files are accepted
- size cannot exceed 1 MB
- maximum length is 6 pages including figures
- deadline is 28.02.2005
- submit to toivo.korja@oulu.fi

ACKNOWLEDGEMENTS //optional//

Many thanks given to all organizers of the 17th Induction workshop in Hyderabad and, in particular to Hari and Baldev. I already now miss the "heat" of Hyderabad while cycling between office and home when the temperature is -20°C .

REFERENCES // mandatory //

Give here a list of cited references. Give full references in alphabetical order. Add the letters a, b, c, etc. after the year of publication to distinguish papers by the same first author and from the same year.

In the text:

Virtanen and Järvinen (2001); (Virtanen and Järvinen 2002); (Virtanen, private communication, 2003); (Virtanen et al. 2004) If there are three authors, list only the first author.

In the list:

Cagniard, L., 1953. Basic theory of the magneto-telluric method of geophysical prospecting. *Geophysics*, 18, 605-635.

Hermance, J.F., 1989. Magnetotelluric method: Fundamental concepts. Pp. 746-770 in D.E. James (ed.), *The Encyclopedia of Solid Earth Geophysics*, van Nostrand Reinhold Company, New York.

Jones, A.G., 1987. MT and reflection: an essential combination. *Geophysical Journal Royal astronomical Society*, 89, 7 - 18.

Korja, T.T, Korja, T.A., Korja T.J., and Korja T.S., 1957. Long-term, home-based interpretation of electrical conductivity models. *Journal of Dead-end Research*, 1, 1-99.

Meri, M., Jäämeri, J. and Familyname, F., 2004. Guidelines to prepare abstracts. Journal of Rejected Papers, 99, 1-3. www-document. <http://www.emindia2004.org/ExtendedAbstracts/India2004/S.1-P01>.

Rokityansky, I.I., 1982. Geoelectromagnetic investigation of the Earth's crust and mantle. Springer-Verlag, New York, 381 pp.

Tikhonov, A.N., 1950. On determining electrical characteristics of deep layers of the Earth's crust. Doklady, Akad. Nauka, Russia, 73, 2, 295-297

Vozoff, K. (ed.), 1985. Magnetotelluric Methods. Society of Exploration Geophysicists, Geophysical reprint series, No. 5, Tulsa, Oklahoma, 763 pp.

If authors have figures and tables that are too large for a double column format, it is possible to add them here. Figure captions and table titles must accompany figures and a proper reference to figures must be made in the text. It is, however, recommended that whenever possible, figures and tables are given in the text sections.

Finally, note that the length of the extended abstract is six (6) pages in maximum.

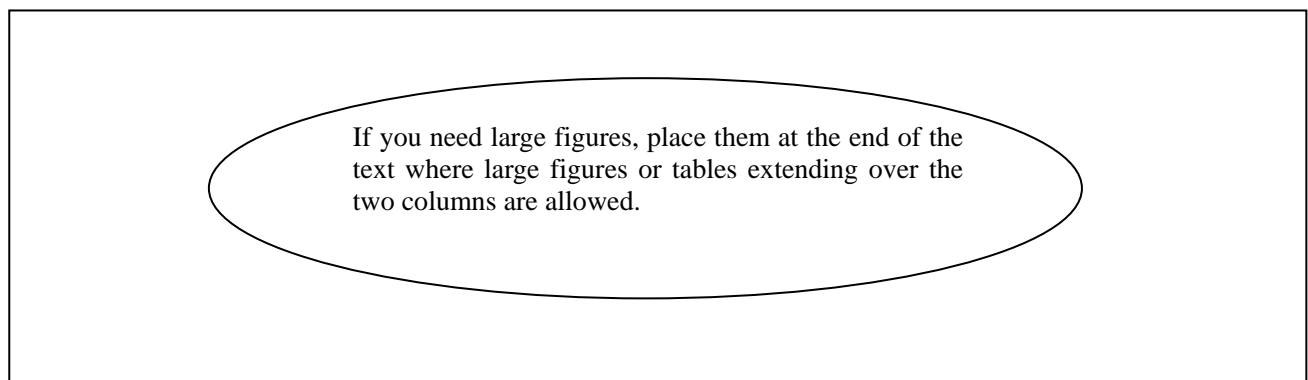


Figure 3. A wide figure (or table).

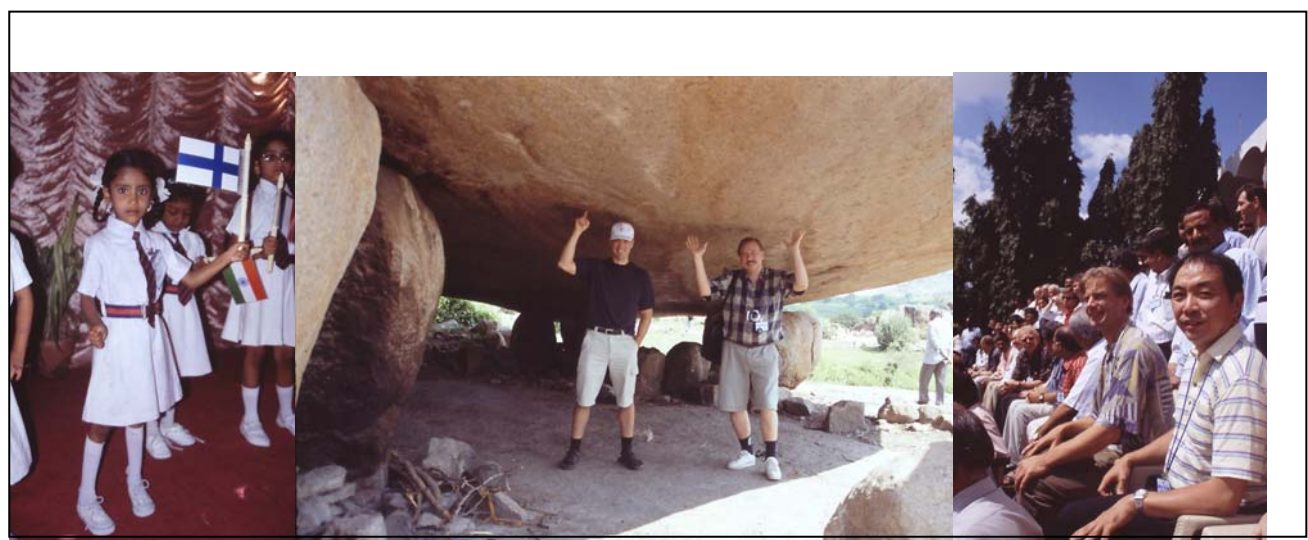


Figure 4. Just to add some colours in the abstract. Left: Unknown young lady waving a nice flag. Center: Two strong guys. Right: Two stronger guys who keep on smiling in the heat of Hyderabad.