100 years of electrical imaging

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Abstract: This is the template file for the booklet given to the participants during the workshop "100 years of electrical imaging", which will be held in Paris, July 9-10, 2012. Please use this LaTeX template or the accompanying Word format template when preparing your submission. The templates are available in eletronic form at the website: `http://100electrical.geosciences.mines-paristech.fr`. Thanks!

1 Introduction

In 1912, Conrad Schlumberger (1878-1932), professor at the Ecole des Mines de Paris (now MINES Paristech), made the first electric field imaging experiment at his family house in Val Richer, in Normandy. This offered new possibilities for exploring the Earth. Over the last 100 years, electrical imaging has grown to be used in many other fields such as medical and process tomography

To celebrate this innovation, a workshop will be held with the goal of

- Celebrate the 100th anniversary of the first electrical imaging experiment
- Bring together the disparate electrical imaging communities (geophysical, medical and industrial process imaging, as well as other specialist applications)

This is a LaTeX template document for the workshop on "100 years of electrical imaging", to be held in Paris, July 9–10, 2012.

1.1 Abstract

Each paper should contain an abstract of about 100–200 words at the beginning of the paper.

1.2 Figures

Figure captions should follow each figure. For a figure such as 1, use: `\begin{figure}...\end{figure}`.

1.3 Tables

Tables should be centered on the page. The table caption should be below the table.

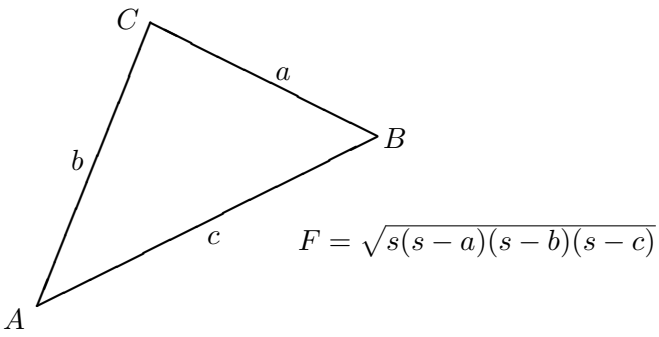

Figure 1: Page width figure, using `figure`

k	x_1^k	x_2^k	x_3^k	remarks
0	-0.3	0.6	0.7	
7	0.5	0	-0.523	$\epsilon < \xi$

Table 1: Example table here

1.4 Equations

Equations should be placed on separate lines and numbered

$$x(t) = s(f_\omega(t)) \tag{1}$$

According to equation 1, a residue theorem states that

$$\oint_C F(z)dz = 2\pi j \sum_k Res[F(z), p_k], \tag{2}$$

1.5 References

List and number all references at the end of the paper. The references can be numbered in alphabetic order or in order of appearance in the document, for example [1] [2]. The reference format is the IEEE format, as illustrated in the References section.

2 Conclusions

This paper makes many important points

1. Point 1
2. Point 2

This template can be downloaded from the conference website: `http://100electrical.geosciences.mines-paristech.fr`

References

[1] Lyon, R.F., and Mead, C., "An Analog Electronic Cochlea", IEEE Trans. ASSP 36: 1119-1134, 1988.

[2] Lee, K.-F., Automatic Speech Recognition: The Development of the SPHINX SYSTEM, Kluwer Academic Publishers, Boston, 1989.