

Paper Title: Template for EIT 2027

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Abstract: The abstract must not exceed 6 lines and should briefly describe the main methods and key findings. Author names should be written as full first name, middle name initials (if applicable), and surname (e.g., Jules G. Verne). Separate authors with a comma (,) and do NOT use “and” before the last author.

1 Introduction

This is a L^AT_EX template file to be used for manuscript submissions for the 27th International Conference on the Biomedical Applications of Electrical Impedance Tomography to be held in Kiel, Germany on July 18-21, 2027. Please note the general requirements:

- Single page of A4 paper
- All margins at 2 cm
- UK (British) English
- Main body should be in 10pt Times font
- Provide at least one author’s e-mail address
- Authors can rename sections as suits their paper

The program committee requires a full 1-page submission (rather than just a short abstract).

2 Materials & Methods

The paper may be prepared in L^AT_EX or MS Word and must be submitted as a *surname.pdf* file. Please use the **surname of the presenting** author for the file name. The latest templates can be downloaded from the conference website: <https://www.eit2027.org>

2.1 Figures and tables

Figures and tables (floats) can span one or two columns. Note:

1. Two-column floats must be at the bottom of the page.
2. Captions appear below figures but above tables, as in Fig. 1 and Tab. 1.
3. Every figure and table must be mentioned in the text.



Fig. 1: Column-width figure, using the `figure` environment with the `[H]` option. For full width, put the figure outside the `multicols` environment. Please ensure Fig. and figure number are in bold font in the figure legend. Figure number should be followed by “:” sign.

2.2 Equations

Equations (1) should be placed on separate lines and numbered.

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

Less complex equations, such as the definition of a Jacobian matrix, J , can be on a single line; here each element, $J_{i,j} = \frac{\partial v_i}{\partial \sigma_j}$. Larger or more important equations may span the full line width, as shown in Eq. (2). According to equation (1), a residue theorem states that

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

which is an important finding.

2.2.1 References

List and number all references at the end of the paper. References should be numbered in the order of their appearance in the document. The authors should use the reference formats for a journal article [1], a book [2], and conference proceedings [3] as illustrated in the References section. An optional reference format is allowed, consisting of the last author’s name and initial(s) of the first name, followed by et al, the journal name, DOI, and publication year (e.g. [1] Frerichs I et al *Physiol Meas*, DOI 10.1088/1361-6579/ae8b55, 2026). The format is compact and does not include titles for articles. References in text should be sorted and grouped compactly, as in [1–3]. This template places references in the a “thebibliography” section, but you can also use BIB_TE_X and the `compact.bst` file.

3 Results

This paper has many important results.

4 Conclusions

This paper makes many important points.

Acknowledgements [optional]

The authors would like to express their gratitude to

References

- [1] Frerichs I et al *Physiol Meas*, 47, 08TR03, 2026
- [2] Adler A, Holder DS *Electrical Impedance Tomography* CRC Press: Boca Raton, 2022
- [3] Herrmann L et al 26th *EIT Conf. Proceedings*, p.13, Sheffield, UK, July 2026

Tab. 1: Two-column table, using the `table*` environment placed at the end of the document.

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