

Sample Document for the ITW 2010 Dublin Proceedings

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Abstract—This demo file is intended to serve as a skeleton file for preparing the camera-ready version of accepted papers for ITW 2010 Dublin. This abstract includes also some math symbols in bold face, such as “ $d(\mathcal{C})$ ”.

I. INTRODUCTION

This demo file is intended to serve as a skeleton file for preparing the camera-ready version of accepted papers using \LaTeX and the IEEEtran class by Michael Shell, version 1.7.

A. ITW 2010 Dublin

The IEEE Information Theory Workshop ITW 2010 in Dublin focuses mainly on algebraic methods in information theory without excluding other areas of the discipline. We welcome researchers working on the fundamentals on information theory as well as questions of implementation.

Previous meetings have been in Volos (Greece), Taormina (Italy), Porto (Portugal), Lake Tahoe, California (USA), Punta del Este (Uruguay), etc.

Topics of interest include, but are not limited to:

- information and coding theory in networks,
- graph-based codes and iterative decoding,
- information- and coding-theoretic aspects of secure communications,
- algebraic codes and sequences.

1) *Invited Sessions*: There will be invited sessions on:

- 1) Algebraic codes and sequences
- 2) LDPC codes
- 3) Quantum information processing
- 4) Channel uncertainty
 - a) Point-to-point communication
 - b) Network communication
- 5) Polar codes
- 6) Coding and information-theoretic methods in cryptography

II. CALL FOR PAPERS

We invited participants to submit an extended abstract of at most 5 pages for consideration of presentation and publication. Authors were advised to use \LaTeX to format their manuscripts, using the IEEEtran class (conference mode). Submissions had to be in English and should report on recent significant achievements, challenges or work in progress.

A. Initial Submission

The papers were submitted through the EasyChair conference management system. To enter the system an EasyChair account was needed. (Those who did not have an EasyChair account needed to create one. The EasyChair web-page provides all the information how to create an account.)

Publication of submissions were subject to a thorough peer reviewing process to ensure that the high standard of the conference is maintained. It is required that accepted papers are presented by one of its authors and the presenter must register for the conference.

By a submission the authors declared that the work has not been previously published, has not been copyrighted and is not being submitted for publication elsewhere. Authors are required to fill in the IEEE Copyright Form (DOC or PDF), print it, sign it, and fax the first page to +353-1-716-5396. Alternatively, a scanned copy of the form can be emailed to itw2010@ucd.ie.

Deadline for submissions: 15 April, 2010.

Notification of decision: 12 June, 2010.

Final versions due: 9 July, 2010.

Due to repeated request we decided to extend the deadline for the initial submissions to 15 April, 2010. Authors who already submitted their paper were given the opportunity to update their submission until 15 April as well.

B. Preparing the Final Manuscript

Accepted submissions need to be formatted by \LaTeX using the IEEEtran document class and may not exceed 5 pages. Please use conference mode (and retain the default options 10pt, final, letterpaper, oneside, twocolumn). The source files are to be provided.

Only standard \LaTeX fonts and those invoked by the class file should be used. Type 1 fonts have to be utilized at all point sizes. Author-created macros and non-standard commands should be used only sparsely. For graphics the EPS format should be used and the graphic files are to be supplied.

Each paper requires an abstract not exceeding 200 words summarizing the techniques, methods and main conclusions. There is no need to include key words or a subject classification. All submissions must include complete bibliographic information. On the last page the length of the two columns

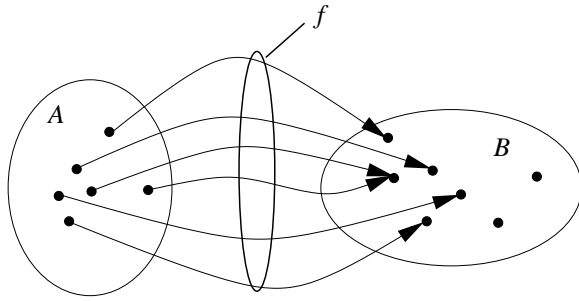


Fig. 1. A Diagram

should be roughly equalized. Usage of automatic spell checking is recommended.

For more details and further information authors are strongly encouraged to consult the official IEEEtran manual “How to use the IEEEtran L^AT_EX class” by Michael Shell, available at <http://www.ctan.org/tex-archive/macros/latex/contrib/IEEEtran/>.

C. Publication

The conference proceedings will be published by IEEE Xplore.

III. FLOATING STRUCTURES

This example file includes a figure, see Fig. 1. Furthermore, it features a small table, see Table I.

Note that IEEE proceedings favor the positioning of floating structures to the top of the page and rarely use bottom floats. Middle in-text placement is not used.

TABLE I
AN EXAMPLE OF A TABLE

One	Two	Three
4	5	6
7	8	9

IV. THEOREMS AND PROOFS

Theorem 1: This is an example theorem.

Proof: This is an example proof. ■

Corollary 2: This is a corollary that follows from the theorem.

V. CONCLUSION

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ACKNOWLEDGMENTS

Write your acknowledgments here. The authors would like to thank This work is supported by

Finally, below there are some example references.

REFERENCES

- [1] C. Berrou, A. Glavieux, and P. Thitimajshima, “Near Shannon limit error-correcting coding and decoding: turbo-codes (1),” in *Proc. IEEE International Conference on Communications (ICC '93)*, Geneva, Switzerland, May 1993, pp. 1064–1070.
- [2] W. Diffie and M. E. Hellman, “New directions in cryptography,” *IEEE Trans. Inf. Theory*, vol. 22, no. 6, pp. 644–654, Nov. 1976.
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