How to Write a Good Short (3-Page) Paper
(for ANTS and Other Forums)[1]

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Writing a good short paper is challenging for authors who are inexperienced in writing such papers. The paper review process of the First International Symposium on Advanced Networks and Telecommunication Systems (ANTS), which allowed submissions of 2-page extended summaries, revealed that several submissions were ineffective in conveying their significant contributions.

The typical problem was the following:

- The submission was a revised version of the Introduction of a long paper, perhaps from a chapter of a thesis or dissertation. It was not self-contained, e.g., no results, and/or no (or not enough) discussion on modeling or experimental setup which were used to test and support the architectures, algorithms, or protocols that were being developed by the paper. The challenge is to make the paper complete and self-contained as much as possible, even with the space restrictions. *Thus, if a long version is a starting point and it needs to be converted to a short paper, instead of keeping only some introductory material and chopping all supporting documentation, one needs to pick and choose important material from throughout the long version.*

Although writing a good and effective short paper has its challenges, it has many advantages as well, as follows:

- If you are writing from scratch, it takes less time to write.
- You can get directly to the point and demonstrate your contributions quickly.
- Short papers are also easier and quicker to review, so you should be able to identify your good contributions more easily to the reviewer.
- For a conference such as ANTS, which promotes early-stage research, you want to present your novel and fresh ideas quickly and easily which will benefit from the conference presentation and which can be further enhanced for a later longer publication, perhaps in a journal.

While ANTS-07 allowed 2-page submissions, we recognize the challenges many authors faced; so IEEE ANTS 2008 has extended the page limit and is now accepting submissions up to 3 pages long (in 2-column IEEE format).

Interested authors are referred to the 3-page papers below as samples (**note: the samples below are in single-column format, while <u>ANTS-08 submissions need to be in two-column format</u>**):

<u>References:</u>

M. Batayneh, D. A. Schupke, M. Hoffmann, A. Kirstaedter, and B. Mukherjee, "On Reliable and Cost-Efficient Design of Carrier-Grade Ethernet in a Multi-Line Rate Network under Transmission-Range Constraints," *Post-Deadline Paper, IEEE Optical Fiber Communications (OFC) Conference '07*, Anaheim, CA, March 2007. (http://networks.cs.ucdavis.edu/~mukherje/links/mmb-pdp-ofc07.pdf)

A. Gumaste, N. Ghani, P. Bafna, A. Lodha, S. Srivastava, T. Das, S. Q. Zheng, "Achieving Multi-Rate Dynamic Sub-Wavelength Service Provisioning in Strongly Connected Light-trails (SLiTs)," *Post-Deadline Paper, IEEE Optical Fiber Communications (OFC) Conference '07*, Anaheim, CA, March 2007.
(Ashwin please add your paper's URL here… or replace this with your OFC 2008 paper w/ Admela and Nasir.)

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[1] The First International Symposium on Advanced Networks and Telecommunication Systems (ANTS) (http://www.antsconference.org/2007) was held in Mumbai (formerly Bombay), India, during December 17-18, 2007, at the Indian Institute of Technology (IIT), Bombay. The theme of ANTS-07 was broadband access and telecommunication networks. ANTS-07 was a single-track event, whose technical sessions focused on networking technologies and telecommunication design principles in access, metro, and core areas. ANTS was designed to foster interaction between industry and academia, between Indian technologists and those overseas, and between service providers and network equipment vendors.

[2] Biswanath Mukherjee is the Steering Committee Chair of IEEE ANTS. He is also General Co-Chair of ANTS-07 and ANTS-08. However, the opinions expressed here are his personal opinions. Other methods to write effective short papers may also exist.