Report to the Board of Governors
IEEE Transactions on Information Theory
June 24, 2006
(Prepared June 15, 2006)

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A. Transactions Updates

1. Mail Dates: The mail dates and page counts from January 2007 through June 2007 are shown in the Table 1 below.

Issue	Mail Date	2006 Page Ct	2007 Page Est	2007 Page Ct
Jan	12/22/06	364	440	456
Feb	01/24/07	420	440	416
Mar	02/21/07	516	440	392
Apr	03/20/07	528	440	368
May	04/25/07	476	440	336
Jun	05/23/07	576	440	372

Table 1: Mail Dates – January 2007 to June 2007

2. Page Budgets: Comparisons of the above numbers with our page budget for this year, and similar comparisons for the previous two years, are shown below.

> Page Published Through June 2007: 2,340
> Budget Through June 2006: 2,640
> Deviation: -11.4%
>
> Actual Pages in 2006: 5,776
> Page Budget for 2006: 5,300
> Deviation: +9.0%
>
> Actual Pages in 2005: 4,584
> Page Budget for 2005: 4,700
> Deviation: -2.5%

It can be seen that the trend of moderating issue sizes reported at the CISS 2007 BoG meeting has continued, although it is still a bit early to be able to extrapolate accurately to the end of the year. (For example, the upcoming Special Issue on Models, Theory, and Codes for Relaying and Cooperation in Communication Networks, to be published in October, is expected to be about 500 pages long.) Nevertheless, it seems likely that the rapid growth in the size of the *Transactions* has abated at least for the time being.

3. <u>Annual Volume</u>: As of June 15, 2007, 428 papers have been submitted to the *Transactions* this year, for an annualized rate of 941 papers. There were 399 papers submitted through the same date last year, and the total number of submissions for 2006 was 966.

4. <u>Book Reviews</u>: No book reviews have been published since the last report.

5. <u>Five-Year *Transactions* Review</u>: As reported at the March 14, 2007, BoG meeting, the *Transactions* underwent its five-year review on February 15, 2007, at the IEEE TAB meeting series in Los Angeles. The final report of the review committee has now been received. Its principal findings concerning the *Transactions* are (emphasis added):

   "The *IEEE Transactions on Information Theory* is an exemplary periodical among all IEEE publications, with a very strong tradition in quality. The impact factor is among the highest of all IEEE periodicals, and has been for several years. The Editorial staff is a dedicated group of volunteers who are all focused on the single goal of maintaining the highest standards of the *Transactions*. While past problems with respect to timeliness have marred this exemplary performance, <u>over the last five years since the last review the Information Theory Society has worked to steadily reduce the submission-to-publication time to the point now that it is within target guidelines for IEEE Periodicals</u>.

   The only recommendation from the Periodicals Review Committee for the *Transactions* is to consider invoking term limits on the length of service for the EIC. Otherwise, we recommend that the Information Theory Society stay the course and continue to improve on your already outstanding periodical."

   The BoG may wish to consider addressing the above recommendation by codifying the traditional three-year term of the EIC in the Society's by-laws.

6. <u>Favorable Notice</u>: A recent citation analysis of journals has ranked the *Transactions* as the top "Prestigious Journal" in Computer Science. This article is posted on ArXiv at:

   http://www.arxiv.org/PS_cache/cs/pdf/0601/0601030v1.pdf

B. Special Issues

1. The <u>Special Issue on Models, Theory, and Codes for Relaying and Cooperation in Communication Networks</u>, with Guest Editors Randall Berry, Massimo Franceschetti, Abbas El Gamal, Hesham El Gamal, Michael Gastpar, Gerhard Kramer and Nick Laneman, has been finalized at 34 papers (26 regular papers, and 8 correspondence items) and approximately 500 pages. The total number of submissions was 59, and 2 additional papers were transferred from regular submissions. The issue is now in production, with a scheduled publication date of October 2007.

2. Submissions to the <u>Special Issue on Information Theoretic Security</u> (Guest Editors: Hideki Imai, Ueli Maurer and Yuliang Zheng) closed on February 16, 2007. The total number of submissions was 56, and these papers are currently being reviewed. The scheduled publication date of this issue is June 2008.

C. Editorial Board (Appointments approved since the ISIT06 BoG meeting)

1. Lang Tong (Cornell) assumed one of the two AE positions in Detection & Estimation on October 1, 2006, replacing Xiaodong Wang. This appointment was approved at the Allerton BoG meeting on September 27, 2006.

2. Adam Krzyzak (Concordia) assumed the AE position in Pattern Recognition, Statistical Learning & Inference on April 1, 2007, replacing Peter Bartlett. This appointment was approved at the CISS BoG meeting on March 14, 2007.

3. Urbashi Mitra (USC) assumed the position of AE At-Large on May 1, 2007, replacing Vinay Vaishampayan. This appointment was also approved at the March BoG meeting.

4. Helmut Bölcskei (ETH) assumed one of the two AE positions in Detection & Estimation on June 1, 2007, replacing Anders Host-Madsen. This appointment was also approved at the March BoG meeting.

5. Hirosuke Yamamoto (Tokyo) assumed one of the three AE positions in Shannon Theory on June 1, 2007, replacing Kingo Kobayashi. This appointment was also approved at the March BoG meeting.