**Letter of Intent**

**TRANSACTIONS/JOURNALS/OPEN ACCESS**

**(If using abbreviations, please spell out on first use)**

A *Letter of Intent* is a document which defines the overall intent of the proposal. What is the proposal and how is it beneficial to everyone? What is the difference between the new proposal and existing Periodicals?

**PERIODICAL TITLE:**

**IEEE Information Theory Magazine**

**PROJECTED LAUNCH YEAR:**

2018 (Q4) or early 2019

**PERIODICAL OFFICIAL SCOPE:**

The **IEEE Information Theory Magazine** publishes high quality overview and tutorial papers on information theory and its applications.  The papers are written with a wide audience in mind and include core information theory topics and emerging research directions that cross into other fields such as machine learning and biology.

The Information Theory (IT) Society has a very successful newsletter, which is celebrating its 67th year. The newsletter is distributed quarterly to Society members in print form and is posted on the Society web site. In addition to tutorial papers based on plenary lectures given at information theory conferences (including the yearly Shannon lecture), the newsletter contains several popular regular columns, such as the President’s column, the Historian’s Column, and the Student’s Corner, alongside news and reports from various societal activities around the globe. While the newsletter is well-read by a core group of information theorists, the fact that it is not available on IEEE Xplore limits the readership and impact. Because of this, it is difficult to motivate authors to contribute tutorial style articles to the magazine.

The new Information Theory Magazine will build on the tradition of the newsletter and include technical but accessible papers as well as columns and news that are of interest to society members. Switching to the magazine format will result in several benefits. The articles will be available on Xplore, will be indexed by search engines, and citations will be counted by Science Citation Index and Google Scholar. Widespread availability will increase the readership significantly, and motivate researchers to submit high-quality contributions. The magazine will create a venue for sharing new breakthroughs in information theory with researchers who do not regularly read *the IEEE Transactions on Information Theory*. It will also allow researchers in emerging fields, who use information theoretic approaches in their work but do not normally publish in the *Transactions*, to share their methodologies and results with a broad audience. Overall, the magazine will help cross-fertilize ideas, increase access to information theoretic ideas, and enhance the value of Society membership.

**PERIODICAL SPONSORSHIP WITH PERCENTAGES:**

Write the sponsorship details of periodicals here based upon current knowledge. Please include sponsorship percentages if they are known already.

Financial:  IEEE Information Theory Society, 100%

Technical: IEEE Information Theory Society, 100%

**COMMENTS:**

N/A

**DATE/TIME STAMP OF RECEIPT:**