

**Minutes of the October 11, 2012 Mining Industry Committee (MIC) Meeting  
(Laughlin III Room, Flamingo Hotel, Las Vegas, NV )**

1. Thomas Novak was absent. In his absence, Joe Sottile called the meeting to order at approximately 6:05PM. He welcomed new committee members and thanked the current members for attending the meeting.
2. The minutes of the October 8, 2012 MIC meeting were reviewed and approved (motion: Andrew Bagley, second: Dave Durocher).
3. Announcement: the next MIC Technical sessions would be held at the 2013 IEEE IAS Annual Meeting to be held in Orlando, FL from October 6<sup>th</sup> to the 11<sup>th</sup>. The committee is planning to have two technical sessions.
4. Paper Review Committee Report: Joe Sottile presented the paper review report for the 2011 Annual Meeting (Attachment 1).
  - Five papers have been approved,
  - two papers required changes before a final decision could be made, with
    - one paper is in-process,
    - the option for making the changes for the other paper has expired,
  - one paper is in-process (still working on first decision), and
  - two papers were rejected.
5. Joe Sottile reported that 10 papers are scheduled for the two Mining Industry Committee technical sessions at the 2012 IEEE IAS Annual Meeting.
6. Old Business: None.
7. New Business:
  - a. IAS Impact Factor – Joe Sottile provided an overview of issues that affect the impact factor of *Transactions on Industry Applications* developed by the IEEE IAS Publications Department (Attachment 2). It was stressed that authors should not pad their publications with citations from *Transactions on Industry Applications* to improve the impact factor.
  - b. A discussion on collaborating with the Western Mining Electrical Association (WMEA) was held. It was noted that the WMEA and MIC have many common interests and that the mining industry could benefit by having the two groups work together on projects.
  - c. Nominations – Nominations for 2013/2014 were taken with the following nominations being made:
    - i. Eduardo Wiechmann (Chair)
    - ii. Miguel Reyes
    - iii. Joe Sottile

8. The meeting was adjourned at approximately 6:45 PM (motion: Dave Durocher, second: Andrew Bagley).

## Attachment 1



### INDUSTRY APPLICATIONS SOCIETY

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October 8, 2012

TO: Mining Industry Committee  
SUBJECT: IEEE IAS MIC Paper Review Chair Report

#### **Status of 2011 IAS Conference Papers**

A total of 10 papers were submitted and have been reviewed for publication in Transactions with the following decisions:

- five papers have been approved,
- two papers required changes before a final decision could be made, with
  - one paper is in-process,
  - the option for making the changes for the other paper has expired,
- one paper is in-process (still working on first decision), and
- two papers were rejected.

#### **2012 IAS Conference Papers**

There are 10 papers submitted to the Mining Industry Committee technical sessions for the 2012 IEEE IAS Annual Meeting. The review process for these papers has begun and tentative decisions have been made on two of them. Those decisions will be sent to the authors after the papers have been presented.

Respectfully submitted,

Joe Sottile

## Attachment 2

2012\Implementation Steps for IAS Impact Factor 2012-09 [Compatibility Mode].pdf



## IEEE INDUSTRY APPLICATIONS SOCIETY IAS PUBLICATIONS DEPARTMENT

### IMPLEMENTATION STEPS FOR IMPROVING THE IAS IMPACT FACTOR

Ahmed Rubaai  
IEEE-IAS Publications Chair

## Presentation Outline

- Background: IAS Impact Factor (IF)
- Ranking of IAS Transactions
- Number of Articles Published
- Number of Citations
- Implementation Steps for Improving IAS IF: Action Item
- Implementation Steps for Improving IAS IF: Approved Instructions
- Additional Recommendations



## THE IAS IMPACT FACTOR: BACKGROUND

### DEFINITIONS:

**Impact factor:** Average number of citations of articles over a two-year period divided by the number of articles published in the journal in the same period.

**Citation Half-Life:** The number of journal publication years going back from the current year which account for 50% of the total citation received by the journal during the current year.

**Immediacy Index:** The proportion of citations that refer to articles appearing within the most immediate past period (year?)

**Eigenfactor Score:** The Eigenfactor Score is based on the number of times articles from the journal published in the past five years have been cited in each year, but it also considers which journals have contributed these citations, so that highly cited journals will influence the network more than lesser cited journals.

**Article Influence Score:** The Article Influence determines the average influence of a journal's articles over the first five years after publication. It is calculated by dividing a journal's Eigenfactor Score by the number of articles in the journal, normalized as a fraction of all articles in all publications.

## THE IAS IMPACT FACTOR: JOURNAL RANKING

IEEE Transactions on Industry Applications is ranked **66** out of **244** worldwide journals in the electrical and electronics engineering category in the most recent Journal Citation Reports published by Thomson Reuters based on the database ISI Web of Science. Three years ago the journal was ranked 55 in this category.

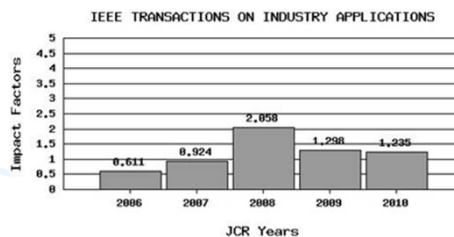
IEEE Transactions on Industry Applications is ranked **11** out of **90** worldwide journals (and **1<sup>st</sup>** among IEEE journals) in the multidisciplinary engineering category in the most recent Journal Citation Reports published Thomson Reuters based on the database ISI Web of Science. Three years ago the journal was ranked 8 in this category.

IEEE Transactions on Industry Applications has a **citation half-life of >10**, one of only **10 IEEE publications (out of 106)**. This means that IAS papers are still relevant and used 10 years after publication.

## THE IAS IMPACT FACTOR: NUMBER OF ARTICLES PUBLISHED

There was a significant increase in the number of articles published in this journal over the last years, from 165 in 2007 to 256 in 2011.

Year	Impact Factor (regular, with self-citations)	Impact Factor (w/o self-citations)	Citation Half Life	Immediacy Index	Eigen-factor	Article Influence Score	Articles Published
2011	1.657	0.8	>10	0.266	0.0123	0.670	256
2010	1.235	1.063	>10	0.144	0.01285	0.695	271
2009	1.298	1.154	>10	0.095	0.01240	0.655	231
2008	2.058	1.877	9.6	0.175	0.01240	0.623	211
2007	0.924	0.816	9.9	0.073	0.0123	0.571	165



## THE IAS IMPACT FACTOR: NUMBER OF CITATIONS

As of 2011, the highest number of citations received the articles published in 2011 (8,448 citations), 2005 (554 citations) and 2003 (546 citations). If the articles published in our journal in 2008 and 2009 were receiving in 2010 a similar number of citations then the ISI Impact Factor would have been more than 2.5.

Out of 502 articles published in our journal in 2009 and 2010, only 4 articles have more than 10 citations (the highest is 20) and only 26 have more than 5 citations. So less than 1% has more than 10 citations in almost two years after publication, and about 5% have more 5 citations in almost two years after publication.

## IMPLEMENTATION STEPS FOR IMPROVING THE IAS IMPACT FACTOR: ACTION ITEM

The IAS impact factor is lower than it should be, compared to other IEEE publications, because we have collectively not paid attention to it.

The Publications Department decided to take some action, mostly along the line of giving specific instructions to authors and directives to editors and associate editors.

These realistic, ethical, and coherent instructions are expected to be implemented by hopefully as many IAS committees as possible.

This is in no way intended to impose authors to cite IAS papers for acceptance of the paper, but to improve the quality of our publications.

## IMPLEMENTATION STEPS FOR IMPROVING THE IAS IMPACT FACTOR: APPROVED INSTRUCTIONS

PER THE RECOMMENDATION OF THE PUBLICATIONS DEPARTMENT, IAS EXECBOARD APPROVED THE FOLLOWING INSTRUCTIONS IN THE "PAPER SUBMISSION INVITATIONS"

- ❑ Ensure that your paper falls within the scope of the IAS publication to which you are submitting, as the paper will be rejected otherwise. One way of showing the relevance of your paper to the IAS is by reviewing the content of previous papers appearing in IAS publications.
- ❑ In citing work that has appeared in previously published IAS generated papers, if at all possible, utilize the fully peer-reviewed version of the paper rather than the conference version. That is, update any conference paper in your list of references to the corresponding IAS Transactions or Magazine reference, as appropriate.

**The AEs and the Paper Review Chairs "MUST" ensure that authors have updated their references in the manner described so as to positively affect the impact factor of the IAS publications.**





## **STEPS TO IMPROVE THE IMPACT FACTOR: ADDITIONAL RECOMMENDATIONS**

**IN ORDER TO IMPROVE THE IAS IF , THE PUBLICATIONS  
DEPARTMENT ADVOCATES THE FOLLOWING  
RECOMMENDATIONS**

- Encourage having special issues as well as survey papers in the IAS Transactions. Survey papers should provide an exhaustive bibliography on the subject of the paper.
- Engage more guest editors in order to attract quality papers and improve the review process.
- A greater number of high quality papers (more likely to have a positive effect on the publication's impact factor) presented in the IAS top conferences should be invited for publication in the IAS Transactions.



**THANK YOU**