



IEEE

TRANSACTIONS ON

ENGINEERING MANAGEMENT

Publishing in IEEE Transactions on Engineering Management and Other MOT Journals

George F. Farris

Editor-in-Chief

IEEE-TEM



Topics

- IEEE-TEM
- Review Process
- Suggestions for Getting Published



IEEE-TEM



- Institute of Electrical and Electronic Engineers--professional engineering society of 375,000
- IEEE Engineering Management Society
- Circulation: ~6,000
- Published quarterly
- Available through IEEE Xplore
- Established in 1954
 - Al Rubenstein (1958)
 - Dundar Kocaoglu (1985)
 - George Farris (2003)



Scope

- ▶ **Publication of peer-reviewed original contributions of scholarly research regarding the theory and practice of engineering management**



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TRANSACTIONS ON

ENGINEERING MANAGEMENT

Publication Categories

Research Articles

Focus on Practice

Research Notes

Book Reviews



EDITORIAL DEPARTMENTS

Book Reviews

E-Business

Information Technology

***Manufacturing Systems**

Models and Methodologies

People and Organizations

Project Management

***Technology and Innovation**

***Headed by TIM Division Leadership**



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EDITORIAL BOARD (95 MEMBERS)



RECENT SPECIAL ISSUES

- Hybrid Innovation Management (Papers due November 2009)
- Global Information Systems Sourcing (Papers due August 2009)
- Managing Innovation in Emerging Economies (Papers being reviewed)
- University Technology Transfer (February, 2008)
- Mass Customization (February 2007)
- Information Systems Leadership (May 2006)
- Internet and Innovation (November, 2003)
- Cultural Issues in Information Technology Management (February, 2003)



Growth

| <u>Year</u> | <u>Pages</u> | <u>Year</u> | <u>Pages</u> |
|-------------|--------------|-------------|--------------|
| 1984 | 216 | 1996 | 460 |
| 1985 | 196 | 1997 | 460 |
| 1986 | 260 | 1998 | 460 |
| 1987 | 288 | 1999 | 480 |
| 1988 | 320 | 2000 | 512 |
| 1989 | 332 | 2001 | 560 |
| 1990 | 332 | 2002 | 532 |
| 1991 | 400 | 2003 | 524 |
| 1992 | 460 | 2004 | 520 |
| 1993 | 460 | 2005 | 552 |
| 1994 | 460 | 2006 | 592 |
| 1995 | 460 | 2007 | 868 |



Submissions Are Up

| | |
|---------------------|-----|
| ■ 2001 | 115 |
| ■ 2002 | 123 |
| ■ 2003 | 216 |
| ■ 2004 | 325 |
| ■ 2005 | 273 |
| ■ 2006 | 342 |
| ■ 2007 | 321 |
| ■ 2008 (to June 30) | 215 |



Acceptance Rate:
14.3% for last 12
months



Processing Time

57 days to first decision in
last 12 months



Processing Time Is Down with Web

- ▶ Reduced time to first decision
 - ▶ 2003 (mail) 449 days
 - ▶ 2003 (web) 131 days
 - ▶ 2004 (web) 85 days
 - ▶ 2005 (web) 48 days
 - ▶ 2006 (web) 57 days
 - ▶ 2007 (web) 53 days
- ▶ Automated reminders to reviewers
- ▶ Statistical reports available
- ▶ Reduced administrative costs



18 Technology & Innovation Management (TIM) Journals

- IEEE Transactions on Engineering Management
- Journal of Product Innovation Management
- Journal of Engineering and Technology Management
- R&D Management
- Research Policy
- Technology Forecasting and Social Change
- Research-Technology Management
- Engineering Management Journal
- Engineering Management Review



18 Technology and Innovation Management Journals (continued)

- Journal of High Technology Management Research
- Technovation
- Journal of Technology Transfer
- International Journal of Technology Management
- International Journal of Innovation Management
- International Journal of Innovation and Technology Management
- International Journal of Technology Management & Innovation Education
- International Journal of Technology, Policy and Management
- Technology Analysis and Strategic Management



IEEE-TEM IS A TOP-RATED TIM JOURNAL IN SURVEY AND CITATION STUDIES

- *Jeffrey Liker, et. al., "Results of a Survey on Management Journals studies for TIM Research", TIM Newsletter, Academy of Management, Vol. 7, No. 2, Winter '95, pp. 5-8 (Rank 1)*
C.H. Cheng, A. Kumar, J.G. Motwani, A. Reisman and M.S. Madan, "A Citation Analysis of the Technology Innovation Management Journals", IEEE Transactions on E.M., vol. 48, pp. 4-13, Feb. 1999 (Rank 3)
Linton, J. D. and Thongpapanl, N., "Perspective: Ranking the Technology Innovation Management Journals" Journal of Product Innovation Management, Vol. 21. pp. 123-140, March 2004 (Rank 5)

Ranked 3 in 2007 impact factor and citation half life. Both are increasing.



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Review Process



Review Process

- Submit to Editor-in-Chief
- Assign to Department Editor
- Assign to 3-4 Reviewers
- Department Editor Recommendation
 - If revision, back to authors and then to Department Editor and reviewers
- Editor-in-Chief Decision



Special Issue Review Process Is Similar

- Decision on Special Issue Topic by Editorial Board and EIC
- Call for Papers
- Review Conducted by Special Issue Editors with Oversight by EIC/Department Editor
- Recommendations by Special Issue Editors
- Introduction and Summary by Special Issue Editors
- Final Decisions by EIC



What Delays Reviews?

- EIC is away or overloaded
- DE is away or overloaded
- DE declines to conduct the review
- Reviewers decline to conduct review
- Reviewers do not reply to request to review
- Reviewer agrees to review but does not do it or is late



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Goal of Review Process: High-Quality Publication



Reviewers Ask: What Is the Contribution?

- Is it new and different?
 - Build on previous literature?
 - Relate to practical problems?
- Is it internally consistent?
 - Are statements justified?
 - Are methods clear, appropriate, correct, and replicable: Could someone else study the same thing and achieve similar results?
- Does the theory help you to think?
- Are the research results interesting?



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Reviewers Try to Help Authors Improve Papers

Once or Twice



Most Papers Are Rejected

- At least at first
- Frequently resubmitted to other journals
- About 15% of submissions are accepted



If a Paper is Not Clearly Written in Good English, It Is Returned to the Author

- Reviewers rebel!
- All are volunteers with busy schedules and other things to do
- Submissions have tripled since 2002
- <http://www.prof-editing.com/ieee/index.php>



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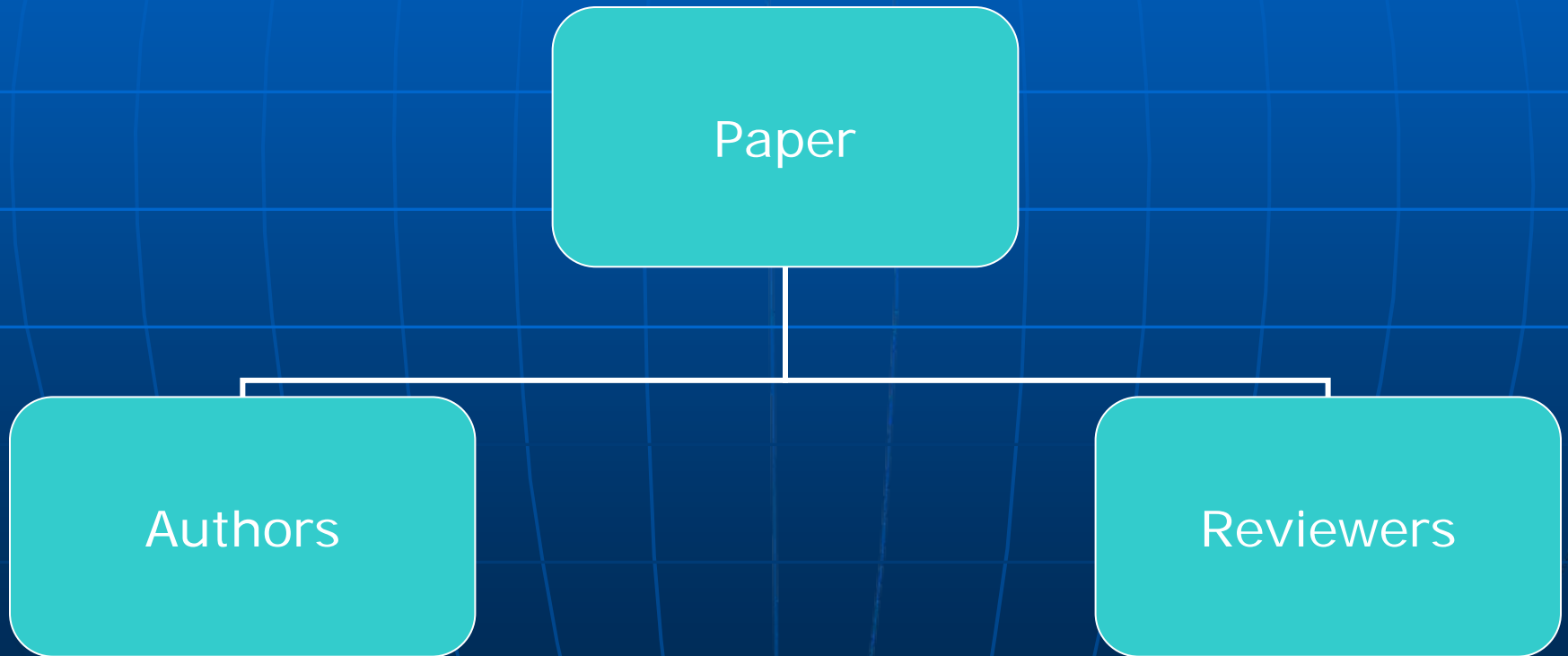
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Suggestions for Getting Published



Authors & Reviewers: Adversaries or Joint Problem Solvers?





Suggestions for Authors

- Submit only finished paper (& Abstract)
- Readable text (Double-spaced, 12 pt.)
- Submit to the right journal
- Suggest the right department (cover letter and submission form)
- Write clearly and concisely (38+2 pages)
- Respond to reviewers point by point
- Reread **entire** paper before resubmitting it
- Show respect for reviewers and editors in your communications



Consider Stakeholder Perspectives

- Authors
- Readers
- Editors-in-Chief
- Department Editors
- Editorial Review Board Members
- *Ad Hoc* Reviewers
- Editorial Assistants
- Editorial Associates



Recent Case Examples

- *Academy of Management Journal*, 2006, 49:2, 189-214
- Presents perspectives of authors, reviewers, and editors on two successful papers
- Conflicts, disagreements, improvements, and ultimately Best Paper Awards



Rejected Manuscripts

- Do not ignore rejected manuscripts
- A rejected manuscript should have received useful comments, and it may be publishable elsewhere
 - More appropriate journal
 - Improved manuscript
 - New reviewers



Summary: Getting Published

- Choose the right journal
- Prepare the best paper you can for the chosen journal
- Prepare a helpful transmittal letter
- Respond to all reviewer comments
- Prepare the best revision you can
- Reread entire paper before sending



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Journal Website

<http://andromeda.rutgers.edu/~ieeetem/>

Article Submission Website

<http://mc.manuscriptcentral.com/tem-ieee>