



# How to Publish in Engineering Education Journals

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# Engineering Education Journals

- Journal of Engineering Education
  - <http://www.asee.org/publications/jee>
- International Journal of Engineering Education
  - <http://www.ijee.dit.ie/>
- Australasian Journal of Engineering Education
  - <http://www.aeee.com.au/journal/>
- Advances in Engineering Education
  - <http://advances.asee.org/index.cfm>
- Chemical Engineering Education
  - <http://cee.che.ufl.edu/>
- European Journal of Engineering Education
  - <http://www.tandf.co.uk/journals/tf/03043797.html>

# Engineering Education Journals

- IEEE Transactions on Education
  - [http://www.ieee.org/portal/site/mainsite/menuitem.818c0c39e85ef176fb2275875bac26c8/index.jsp?&pName=corp\\_level1&path=pubs/transactions&file=te.xml&xsl=generic.xsl](http://www.ieee.org/portal/site/mainsite/menuitem.818c0c39e85ef176fb2275875bac26c8/index.jsp?&pName=corp_level1&path=pubs/transactions&file=te.xml&xsl=generic.xsl)
- International Journal of Electrical Engineering Education
  - <http://www.manchesteruniversitypress.co.uk/journals/journal.asp?id=11>
- International Journal of Mechanical Engineering Education
  - <http://www.manchesteruniversitypress.co.uk/journals/journal.asp?id=12>
- Online Journal for Global Engineering Education
  - <http://digitalcommons.uri.edu/ojgee/>
- Engineering Education: Journal of the Higher Education Academy Engineering Subject Centre
  - <http://www.engsc.ac.uk/journal/index.php/ee>

# Engineering Education Journals

- Computer Applications in Engineering Education
  - <http://www3.interscience.wiley.com/journal/38664/home?SRETRY=0>
- and many more

# Engineering Education Conferences

- The 3rd Regional Conference on Engineering Education (RCEE 2010) and Research in Higher Education 2010 (RHEd 2010)
  - <http://seminar.spaceutm.edu.my/rceerhed2010/>
- ASEE Annual Conference and Exposition
  - <http://www.asee.org/conferences/>
- SEFI Annual Conference
  - <http://www.sefi.be/>
- AAEE Annual Conference
  - <http://www.aaee.com.au/conferences/>
- Frontiers in Education
  - <http://fie-conference.org/>
- Annual Engineering Education Conference
  - <http://www.educon-conference.org/educon2010/>
- International Conference on Engineering and Technology Education
  - <http://www.copec.org.br/intertech2010/English/>

# Submission and Review Process

- Select an appropriate journal
- Prepare manuscript for submission
- Submit manuscript
- Editor receives manuscript
  - If appropriate, the editor will pass manuscript on for review
  - If not appropriate, the editor will return the manuscript fairly quickly
- Manuscript is reviewed
- Author(s) receives decision along with comments from the review process

# Submission and Review Process

- Potential Decisions
  - Accept with no or minor changes
  - Accept if major revisions are successfully done
  - Reject
- Accept with no or minor changes
  - Make the changes and submit
- Accept with major revisions
  - Read reviewer comments carefully, agree with the reviewers, make suggested changes as appropriate, resubmit
- Reject
  - Do not be discouraged
  - Read reviewer comments carefully
  - Decide how to restructure the manuscript

# Checklist

- Research your selected journal
- Have a point
- Relevance
- Situated in Context



# Research your Selected Journal

- Study its guide for authors
- Know its criteria
- Ask yourself, “Is my intention compatible with the journal’s criteria?”

# Have a Point

- Research?
- Innovation?
- Connecting Research and Practice?
- Other?
- **Caution:** Your point cannot be just to tell people about what you are doing.
- **Suggestion:** Focus on a single point. Try not to do too much in a single article.

# Relevance

- Who is your intended audience?
  - Think about who reads your selected journal
- Will your intended audience readers be interested? Able to use the information you present?

# Situated in Context

- Your work in engineering education will be connected to prior work in engineering education, education, learning science...
- Locate prior research related to your topic
- What are the opportunities for contribution?

# Engineering Education Research Criteria

- **Criteria No. 1: Focus and Relevance**
  - Are the questions or propositions clearly stated and addressed?
  - Are the research questions of significance to engineering education research or practice?
- **Criteria No. 2: Context and Contribution**
  - Is the research situated within relevant bodies of knowledge?
  - Does the research contribute to new knowledge?
- **Criteria No. 3: Research Methodology**
  - Are the research designs, methods, theories, and/or practices appropriate to the research performed?
- **Criteria No. 4: Results and Generalizability**
  - Are there original ideas or results of supported by clear reasoning and compelling evidence?
  - Are there original ideas or results of general significance?

# Engineering Education Innovation Criteria

- **Criteria No. 1: Innovation**
  - Is the innovation presented sufficiently different from what has been done elsewhere?
  - Is the innovation sufficient interesting to the engineering education community?
- **Criteria No. 2: Context and Contribution**
  - Have the authors presented a sufficiently broad literature search to demonstrate the novelty of their contribution?
- **Criteria No. 3: Results and Generalizability**
  - Are there original ideas or results that have emerged of general significance?