

Enhancements to Maintain Premier Status

Edward Jaselskis

Editor

The *Journal for Construction Engineering and Management* is one of the premier international construction journals for both academics and industry practitioners. I am proud to be the editor of such a fine journal. The last five year review of our journal (1991–1995) reflected a declining trend of subscriptions and comments suggesting that the publication needs to be more practical for industry practitioners as well as academics. Over the past decade, our journal has seen a three-fold increase in the number of paper submissions with a greater proportion being submitted from international sources. These issues can be viewed as both a challenge and opportunity. I have been working with several people to develop a plan for enhancing our journal and making sure that it remains the top journal for publishing archival construction papers. I am thankful to several people who have assisted in developing this new direction including Dr. Simaan Abourizk, University of Alberta; Dr. Paul Chinowsky, University of Colorado; Dr. Ralph Ellis, University of Florida; Dr. Charles Jähren, Iowa State University; Dr. David Johnston, North Carolina State University; Jackie Perry, American Society of Civil Engineers; Johanna Reinhart, American Society of Civil Engineers; and Dr. Richard Tucker, University of Texas at Austin.

Changes relate to the management structure, submission and review process, and issue layout.

Management Structure

The management structure will now consist of an editor and assistant editor and specialty and assistant specialty editors in the following 10 areas: organizational issues; contracting; project planning and design; construction materials and methods; cost and schedule; labor and personnel issues; information technologies; robotics and automation; quantitative methods; and case studies (details on what is included in each specialty area is included in the section called “Specialty Area Details”). Each specialty editor will provide turnkey review services for each paper, discussion, or closure related to his/her specialty area. The publications committee will consist of each specialty editor as well as the editor. Additional industry professionals may also be included on this committee. Some of the specialty editors have already been selected and we are currently in the process of filling other positions (refer to “Specialty and Assistant Specialty Editors”).

Submission and Review Process

It is important that the journal maintain its archival nature. Going forward, authors will be required to clearly explain the relevance of their papers in their manuscript to industry practitioners and/or researchers (refer to “New Submission Guidelines”). The use of real world data is encouraged as it will provide a more practical, yet rigorous, perspective. Authors will be required to identify which of the 10 general areas their paper best fits. The review process will include criteria related to the relevance of the paper.

Issue Layout

Each journal issue will include a mix of papers related to the specialty areas so as to attract a broad base of interest. We will also try to include a forum piece written by an industry practitioner dealing with current trends in the construction industry highlighting one theme in the issue. The journal will also consider publishing special issues if there is sufficient interest.

Specialty Area Details

1. Organizational Issues
 - Administration
 - Risk Assessment
 - Internationalization
 - Corporate Finance
 - Bankruptcy
 - Organizations (organizational theory and organizational development)
2. Contracting
 - Contract Documents (e.g., agreement, general conditions, plans, and specifications)
 - Contract Administration
 - Project Delivery (e.g., design build, design bid build, and CM approach)
 - Privatization Approaches (e.g., BOT, BOOT, etc.)
 - Legal Issues
 - Claims
 - Procurement
 - Bidding
 - Bonding
 - Partnering
 - Change Orders
 - Changed Conditions
 - International Contract Law
 - Alternative Dispute Resolution (e.g., arbitration and mediation)
3. Project Planning and Design
 - Project Development
 - Project Finance
 - Pre-Project Planning
 - Project Workflows
 - Project Risk Management
 - Engineering Design
 - Value Engineering
 - Constructability
 - Lean Construction
4. Construction Materials and Methods
 - Quality Management (e.g., quality assurance and quality control)
 - Innovative Materials
 - Innovative Construction Techniques
 - Asphalt
 - Concrete

- Composites
- Cold Weather Construction
- Temporary Structures
- Compaction
- 5. Cost and Schedule
 - Estimating
 - Scheduling (e.g., CPM, Line of Balance, bar charts, network theory)
 - Project Controls
 - Project Cost Accounting
- 6. Labor and Personnel Issues
 - Safety
 - Productivity (e.g., measurement and improvement)
 - Labor Issues (e.g., worker behavior, worker mobility, relationships, incentives, relations, unions, and motivation)
- 7. Information Technologies
 - Web-based Project Management
 - Software
 - 3- and 4D CAD
 - Geographic Information Systems
 - Identification Technologies (e.g., bar codes and radio frequency identification)
 - Object-oriented CAD
- 8. Robotics and Automation
 - Remote Sensing Applications
 - Robotics Applications
- 9. Quantitative Methods
 - Decision Analysis
 - Neural Networks
 - Fuzzy Set Theory
 - Modeling
 - Simulation
 - Expert Systems
- 10. Case Studies

JCEM Management Structure

Editor: Dr. Edward J. Jaselskis, Iowa State University
 Assistant Editor: Dr. Charles T. Jähren, Iowa State University

Specialty and Assistant Specialty Editors

- Dr. Simaan Abourizk, University of Alberta
- Dr. Daniel W. Halpin, Purdue University

- Dr. Luh M. Chang, Purdue University
- Dr. John Gambatese, Oregon State University
- Dr. Carl T. Haas, University of Texas at Austin
- Dr. Michael J. Horman, Pennsylvania State University
- Dr. William F. Maloney, University of Kentucky
- Dr. John I. Messner, Pennsylvania State University
- Dr. David R. Riley, Pennsylvania State University
- Dr. Amarjit Singh, University of Hawaii at Manoa

New Submission Guidelines

In addition to the current author submittal information found on the inside cover page of the *Journal*, the following is further information that authors will be required to submit with their papers.

1. Indicate which specialty area your paper best fits. Please denote this at the top of the title page (e.g., Specialty Area: Contracting)
 - Organizational Issues
 - Contracting
 - Project Planning and Design
 - Construction Materials and Methods
 - Cost and Schedule
 - Labor and Personnel Issues
 - Information Technology
 - Robotics and Automation
 - Quantitative Methods
 - Case Studies

Refer to the "Instructions to Authors" page in the *Journal* and on-line for a description of each specialty area.

2. Please indicate whether this paper is primarily intended for industry practitioners, researchers, or both. This should also be included at the top of the title page (e.g., Audience: Researchers or Audience: Practitioners and Researchers).
3. It is important your paper's practical relevance and benefits are clearly identified in your paper. This information should be included in the paper under its own separate heading so that readers will easily see this. A summary of these benefits should also be stated in the Abstract since most indexing services only publish this portion of the paper. Your manuscript will be rated for its relevance to practitioners and academics. It is important to note that your paper will also be evaluated for its impact related intellectual and research content.