



## **MOR Journal EDITORIAL POLICY**

*Military Operations Research* seeks to publish articles that describe operations research (OR) methodologies and theories used in key military and national security applications. We specifically invite papers that present significant military OR applications. Of particular interest are papers that present case studies showing innovative OR applications, apply OR to major policy issues, introduce interesting problem areas, highlight education issues, and document the history of military and national security OR.

All submissions must include a statement of the major contribution. For application articles, authors may submit a **letter** to the editor that includes excerpts to be published with the paper from a **senior decision maker** (government or industry) stating the benefits received from the analysis described in the paper.

To facilitate the review process, authors should categorize their article by **application area** and **OR method**, as described in Table 1. Additional categories may be added if the current areas are not sufficient.

### **INSTRUCTIONS TO MILITARY OPERATIONS RESEARCH AUTHORS**

The purpose of these instructions is to expedite the review and publication process. If you have any questions, please contact Joan Taylor, MORS Technical Editor (joan@mors.org).

#### **Manuscript Submission**

Authors should submit their manuscripts and associated materials through our online submission system at [https://mc04.manuscriptcentral.com/mor\\_journal](https://mc04.manuscriptcentral.com/mor_journal). Microsoft Word and Adobe Acrobat are the preferred file formats.

Per the editorial policy, in addition to the manuscript file, please upload the following documents to the MOR journal ScholarOne site:

- Author statement of contribution (briefly describe the article's major contribution)
- Letter from a senior decision maker (if applicable)
- Military OR application area(s)
- OR methodology (or methodologies)

#### **Length of Papers**

Submissions should range from 10 to 35 pages (double spaced, 12-point font), including illustrations. Exceptions can be made for applications articles submitted with a senior decision maker letter signed by the Secretary of Defense.

#### **Review Process**

Papers submitted are first reviewed by the Editor in Chief for overall applicability and then submitted to the peer review process. The journal uses a single blind review process; the reviewers remain anonymous.

Please use the following format for dividing the paper into sections and subsections:

#### **SECTION TITLE**

The major sections of the paper will be capitalized and be in bold type.

**Title of Subsections.** If required, major sections may be divided into subsections. Each subsection title will be bold type and Title Case.

Title Subsection of a Subsection. If required, subsections sections may be divided into subsections. Each subsection title will be Title Case. Bold type will not be used.

**TABLE 1: APPLICATION AREAS AND OR METHODS**

<b>Composite Group</b>	<b>Application Area</b>	<b>OR Method</b>
Strategic and Defense	Strategic Operations Nuclear Biological Chemical Defense Infrastructure Analyses Homeland Security and Defense	<b>Deterministic Operations Research</b> Dynamic Programming Inventory Optimization Linear/Integer Programming Multi-objective Optimization Network Modeling
Space/C4ISR	Operational Contribution of Space Systems Battle Management/Command and Control ISR and Intelligence Analysis Information Operation/Information Warfare Space Acquisition and Testing Military Environmental Factors	Nonlinear Programming Heuristic Optimization  <b>Probabilistic Operations Research</b> Risk and Decision Analysis Markov Decision Processes
Joint Warfare	Unmanned Systems Air and Missile Defense Land and Expeditionary Warfare Littoral Warfare and Regional Sea Control Strike and Irregular Warfare Air Combat Analysis and Joint Campaign Analysis	Reliability Simulation Stochastic Processes Queuing Theory Simulation Optimization Stochastic Optimization Robust Optimization
Resource, Readiness and Training	Mobility and Transport of Forces Logistics, Reliability and Maintainability Manpower and Personnel Manpower and Personnel Analytic Support to Training and Education Operational Energy	<b>Applied Statistical Modeling</b> Categorical Data Analysis Forecasting/Time Series Multivariate Analysis Nonparametric Statistics Pattern Recognition
		Response Surface Methodology Machine Learning Data Science Econometric Analysis
Acquisition	Measures of Merit Test and Evaluation Analysis of Alternatives Cost Analysis Decision Analysis Experimentation Test and Evaluation	
Advances in Military and National Security OR	Modeling and Simulation Computational Advances in OR Warfighter Performance and Social Science Warfighting Experimentation and Wargaming Data Science and Data Analytics Human Behavior and Performance	<b>Others</b> Advanced Computing Advanced Distributed Systems Cost Analysis Wargaming Simulation Modeling Artificial Intelligence

**Paper Electronic Submission with Figures, Graphs and Charts**

After the article is accepted for publication, an electronic version of the final manuscript must be submitted in **Microsoft Word**. The final manuscript will have all final changes made and any track changes removed.

For each figure, graph, and chart, please include a camera-ready copy in a separate file. All figures must be in **grayscale**. The figures, graphs, and tables should be of sufficient size and resolution (300 dpi at full size) for the reproduced letters and numbers to be legible. Each illustration must be numbered and include a caption.

### **Mathematical and Symbolic Expressions**

Authors should put mathematical and symbolic expressions in Microsoft Word or MathType equations. Lengthy expressions should be avoided. All equations are numbered and numbered in a sequential fashion.

### **Approval of Release**

All submissions must be unclassified and be accompanied by release statements where appropriate. By submitting a paper for review, an author certifies that the manuscript has been cleared for publication, is not copyrighted, has not been accepted for publication in any other publication, and is not under review elsewhere. All authors will be required to sign a copyright agreement with MORS.

### **Abbreviations and Acronyms**

Abbreviations and acronyms must be identified at their first appearance in the text. The abbreviation or acronym should follow in parentheses the first appearance of the full name. To help the general reader, authors should minimize their use of acronyms. If required, a list of acronyms can be included as an appendix.

### **Footnotes**

We do not use footnotes. Parenthetical material may be incorporated into a notes section at the end of the text, before the acknowledgment and references sections. Notes are designated by a superscript letter at the end of the sentence.

### **Acknowledgements**

If used, this section will appear before the references.

### **Disclaimer**

If used, this section will appear before the references.

### **Author Statement**

Any statement the author deems necessary to show ownership of paper while removing the formal organization. Example: (1) The views expressed in this paper are those of the author(s) and do not reflect the official policy or position of the [Insert Military Branch], Department of Defense or the US Government. (2) This paper is not a product of [Insert Organization Name].

### **References**

References should be cited with the authors and year. For example, one of the first operations research texts was published with several good military examples (Morse & Kimball, 1951). When there are more than three authors, the format is to use the lead author with et al., such as (Morse, et al., year).

References should appear at the end of the paper. The references should be unnumbered and listed in alphabetical order by the name of the first author. Please use the following format:

For journal references, give the author(s), year of publication, title, journal name, volume, number, and pages. For example:

Harvey, R. G., Bauer, K. W., and Litko, J.R. 1996. Constrained System Optimization and Capability Based Analysis, *Military Operations Research*, Vol 2, No 4,5-19.

For book references, give the author, year of publication, title, publisher, and pages-for example: Morse, P. M., and G. E. Kimball. 1951. *Methods of Operations Research*. John Wiley, 44-65.

For references to working papers or dissertations cite the author, title, type of document, department, university, and location, for example:

Rosenwein, M. 1986. *Design and Application of Solution Methodologies to Optimize Problems in Transportation Logistics*. Ph.D. Dissertation. Department of Decision Sciences, University of Pennsylvania, Philadelphia.

### **Appendices**

If used, this section will appear after the references.