

## **ENCYCLOPEDIA OF PARALLEL COMPUTING INSTRUCTIONS FOR AUTHORS**

### **1. WELCOME**

Thank you for agreeing to contribute to the *Encyclopedia of Parallel Computing*! To help authors develop their entries, we have prepared these Instructions for Authors. Please visit the official project website ([http://refworks.springer.com/parallel\\_computing](http://refworks.springer.com/parallel_computing)) to learn more information.

### **2. STYLE & FORMATTING**

Entries should be clear and concise, providing comprehensive and up-to-date overviews of the topics that they address. Entries should be written so as to be accessible not only to specialists but to a general audience. Technical terms should be well defined and explained.

- ★ An Encyclopedia entry differs in style from academic journal articles. In particular, avoid 1<sup>st</sup> person tense (“we have,” “our graph shows,” “I found,” or “you have,” or “let’s say”).
- ★ If it is necessary to refer to a particular author and work, the reference should be incorporated into the sentence. For example, “as Dahrendorf [4] suggested, ...”
- ★ Explain all acronyms and abbreviations you use in your contribution.
- ★ Minimize the formatting in your entry, but make the heading structure apparent.
- ★ Entries do not have to be “camera-ready.” The formal layout will be handled by Springer.
- ★ Please use Word or LaTeX to write your chapter.
- ★ If using LaTeX:
  - Use your own .tex sources to write your chapter. It is not necessary to use a .tex template.
  - It is mandatory to submit all supplementary .tex files (.bib, .bbl, etc) and a corresponding PDF.

### **3. ENTRY LENGTH**

- ★ Each entry should total approximately 4,000 words.

### **4. ENTRY TYPES AND STRUCTURE**

The Encyclopedia will consist of two entry types:

- ★ Main Essays
- ★ Short Definitions

In a Reference Work, a certain degree of uniformity is desirable, since it helps users locate particular types of information as they move from entry to entry. Therefore, entries should follow this heading structure:

<b>MAIN ESSAYS</b>	<b>SHORT DEFINITIONS</b>
<ul style="list-style-type: none"> <li>★ <b>TITLE</b></li> <li>★ <b>BYLINE</b> (author’s name/affiliation/e-mail address)</li> <li>★ <b>SYNONYMS</b> (if your topic is known by another name; any alternate spellings; acronyms)</li> <li>★ <b>DEFINITION</b></li> <li>★ <b>DISCUSSION</b> <ul style="list-style-type: none"> <li>▶ Future Directions (Optional)</li> <li>▶ Illustrations, diagrams, and code examples</li> </ul> </li> <li>★ <b>RELATED ENTRIES</b> (a list of similar entries within the <i>Encyclopedia of Parallel Computing</i>)</li> <li>★ <b>BIBLIOGRAPHIC NOTES AND FURTHER READING</b></li> <li>★ <b>BIBLIOGRAPHY</b></li> </ul>	<ul style="list-style-type: none"> <li>★ <b>SYNONYMS</b> (if your topic is known by another name; any alternate spellings; acronyms)</li> <li>★ <b>DEFINITION</b></li> <li>★ <b>RELATED ENTRIES</b> (a list of similar entries within the <i>Encyclopedia of Parallel Computing</i>)</li> </ul>

You may include sub-headings as needed.

## 5. RECOMMENDED READING

References should be listed at the end of the chapter, which can also include general resources that a reader could use to locate further information. Please provide **at least 5 and up to 15**, pointing the reader towards key literature only, such as the journal or conference publication that defined the problem originally, other relevant articles in journals or conference proceedings, and important websites. Within the text, please cite references as numbers, e.g., [1, 3]. Please provide the full information of each reference and use the following style or a similar style for all references:

1. Gibson G.A. and Van Meter R. Network attached storage architecture. *Comm. ACM*, 43(11):37–45, 2000.
2. Hastie T., Tibshirami R., and Friedman J. *The Elements of Statistical Learning: Data Mining, Inference and Prediction*. Springer Series in Statistics. Springer, New York, 2001.
3. Lampinen J. and Vehtari A. Bayesian approach for neural networks – review and case studies, *Neural Networks*, 14(3),7–24, 2001.
4. Saltanis S., Jensen C., Leutenegger S., and Lopez M. Indexing the positions of continuously moving objects. In *Proc. ACM SIGMOD Int. Conf. on Management of Data*, 2000, pp. 331–342.

## 6. FIGURES, FIGURE LEGENDS, & TABLES

Illustrations and figures to accompany your entry are welcome and should be submitted simultaneously with your chapter. Please follow these detailed guidelines for submission of art:

- ★ Do not submit figures or schemes as Word files!
- ★ Please submit figures and supplementary materials in their original program format. For example, if a figure has been created in Adobe Illustrator, send a file with the suffix "\*.ai." Alternately, you may submit EPS or TIF files (minimum resolution: 300 dpi for photographs, 1200 dpi for drawings).
- ★ 4-color art is supported for the print version and the online edition of the *Encyclopedia*.
- ★ Do not embed the figure caption, legend, or java script caption into the art or java script file. Incorporate it in your text and identify clearly the figure or scheme it belongs to.
- ★ Please label all figures and supplementary materials by using the chapter title and the figure number (e.g., ackermann\_fig1.EPS and ackermann\_fig2.TIF).
- ★ Please note that the final quality of the print depends on the initial quality of the figures.
- ★ To obtain permissions for figures, please complete Springer's permission form and return it to the original publisher.

## 7. SUBMITTING YOUR ENTRIES

Please submit your contribution online via OESYS (our web-based manuscript tool). Your credentials (password and ID) for accessing OESYS are included in this e-mail. Or, you may e-mail the entry directly to [jennifer.carlson@springer.com](mailto:jennifer.carlson@springer.com).

## 8. YOUR SPRINGER CONTRIBUTOR'S AGREEMENT

Please send all hardcopies of signed contributor's agreements via fax, postal mail, or e-mail to Jennifer.

**Jennifer Carlson** ([jennifer.carlson@springer.com](mailto:jennifer.carlson@springer.com))

Associate Editor, Reference & Database Publishing

Springer Science+Business Media

233 Spring St.

New York, NY 10013

**phone:** 212.460.1666

**fax:** 212.463.0742

## 9. CONTACTING THE EDITOR-IN-CHIEF

Please contact Dr. Padua directly if you have content-related questions about your entry:

**Dr. David Padua** ([padua@illinois.edu](mailto:padua@illinois.edu))

4227 Siebel Center for Computer Science

University of Illinois at Urbana-Champaign

201 N. Goodwin Avenue

Urbana, IL 61801-2302

USA

**phone:** 217 333-4223

**fax:** 217 265-6582

**Colin Robertson** ([colinr@illinois.edu](mailto:colinr@illinois.edu))

Department of Computer Science

University of Illinois at Urbana-Champaign

201 N. Goodwin Avenue

Urbana, IL 61801-2302

USA

**phone:** 217 265-6403