CS790: Technical Writing for Computer Science

Fall Semester, 2022

Objective

- This course covers a broad range of writing and experimentation for research in computer science, such as commencing a research program, organization of papers and theses, the practice of writing, good writing, research methodology, presentations, and ethics.
- The course will also address elements of good diction in detail.

Instructor

- Jong C. Park, Professor of School of Computing, KAIST
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- Office: CS Bldg. Room 2406
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Lecture Hours

- 13:00 ~ 15:30, Mondays

Venue

- Room 1101, E3-1

Course Resources

Primary Reference

- Justin Zobel, Writing for Computer Science, 3rd edition, 2014

Secondary References

- Diana C. Reep, Technical Writing: Principles, Strategies, and Readings, 8th edition, Pearson, 2011.
- Ken W. Houp et al., Reporting Technical Information, 11th edition, Oxford University Press, 2006.
- Lyn Dupré, BUGS in Writing: A Guide to Debugging Your Prose, 2nd edition, Academic Press, 1998.

Lecture Schedule

- Week 1: Course Overview; Introduction; Getting Started
- Week 2: Reading and Reviewing
- Week 3: Korean Thanksgiving (no class)
- Week 4: Hypotheses, Questions, and Evidence
- Week 5: Writing a Paper; Good Style
- Week 6: National Foundation Day (no class)
- Week 7: Hangul Proclamation Day (no class)
- Week 8: Midterm Exam Period (no exam; no class)
- Week 9: Style Specifics, Punctuation
- Week 10: Mathematics; Algorithms

- Week 11: Graphs, Figures, and Tables
- Week 12: Other Professional Writing; Editing
- Week 13: Experimentation
- Week 14: Presentations; Ethics
- Week 15: Oral Presentations
- Week 16: Final Exam Period (no exam; no class)

Evaluation Criteria

- Literature Review: 15%
- Proposal: 20%
- Final Report: 30%
- Oral Presentation: 15%
- Attendance / Class Participation: 20%
- Grading by A/B/C