

Finding and recording references to related work

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What is Related Work

- List of references
- State of the Art / Practice

REFERENCES

- [1] D. Altman, "Guidelines for Contributors," *Statistics in Practice*, S.M. Gore and D. Altman, eds., 1991.
- [2] D. Altman, "Statistical Reviewing for Medical Journals," *in Medicine*, vol. 17, pp. 2661-2674, 1998.
- [3] D. Altman, S. Gore, M. Gardner, and S. Pocock, "S Guidelines for Contributors to Medical Journals," *British J.*, vol. 286, pp. 1489-1493, 1983.
- [4] C. Begg, M. Cho, S. Eastwood, R. Horton, D. Moher, I. C Pitkin, D. Rennie, K.F. Schultz, D. Simel, and D.F. "Improving the Quality of Reporting of Randomized Trials (CONSORT Statement)," *J. Am. Medical Association*, vol. 27 pp. 637-639, Aug. 1996.
- [5] L. Cohen. *Statistical Power Analysis for the Behavioral*
- [28] T. Lang and M. Secic, *How to Report Statistics in Medicine: Annotated Guidelines for Authors, Editors and Reviewers*. Am. College of Physicians, 1997.

engineering (SE) and requirements engineering (RE). Section 3 concludes the article by discussing implications for SE research and how to further advance SE research.

2 BACKGROUND AND RELATED WORK

This section starts with a brief discussion of terminology concerning research methods (Section 2.1). We then summarize prior work that offers guidance in selecting research methods (Section 2.2). We conclude this section by discussing the two previously mentioned dimensions that are central when choosing research strategies: the level of obtrusiveness of a study and the generalizability of a study's findings (Section 2.3).

2.1 Terminology

Since Glass and colleagues noted the "narrow" range of research approaches [61, 63], the SE community has seen an increased interest in the social and human aspects of software engineering, though the importance of these aspects was already observed much earlier [35, 114, 179]. Traditionally, empirical research in software engineering implied quantitative approaches and experimentation [11], [109, p. 98], [20, 32, 139, 154, 155, 175, 207]. However, there has been an increasing awareness that software engineering is multidisciplinary [68], a "social activity" [42], and "essentially a human activity" [175, 222], and that SE researchers must make observations in the "real world" [139, p. 17]. Consequently, the SE field has now widely embraced these alternative approaches to study human aspects. A landmark paper in this respect was Seaman's 1999 article on qualitative methods for software engineering [174], which was published in a special issue of *IEEE Transactions on Software Engineering* on empirical software engineering [84]. Besides special is-

Where to find

- Where to start
- Where to search
 - Google
 - knihovna.zcu.cz, STAG Kvalifikační práce
 - Google Scholar
 - IEEE DL, ACM DL, Springer Link, Elsevier, ...
- Open x closed sources

What is worth what

- Author

LinkedIn, InfoQ, ...
Google Scholar -> Citations, h-index

- Title

- Text

- abstract

- intro - conclusion

- „Popularity“

- citations

- page rank

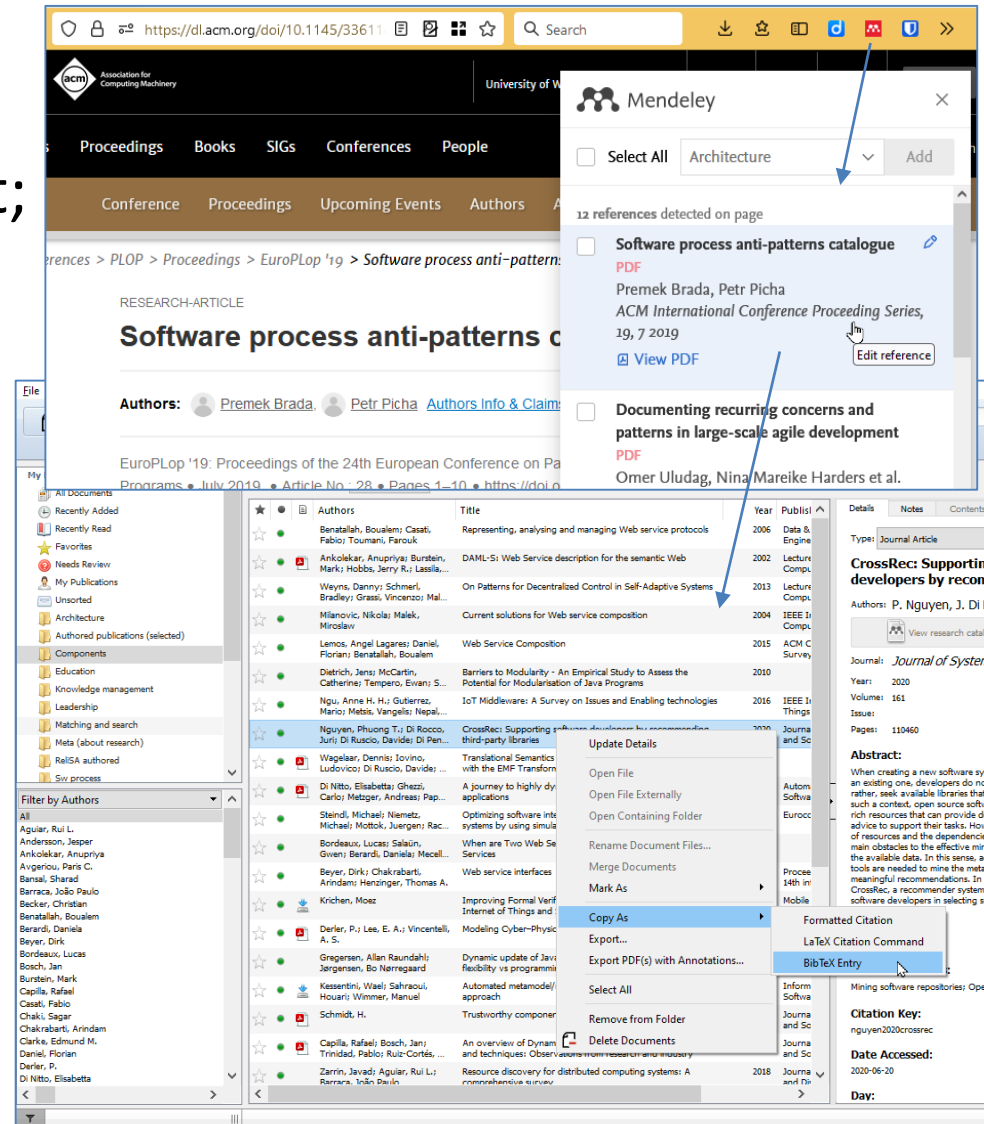
Griswold, W., 2009. [How to read an engineering research paper](#). Available online.

<https://www.scopus.com/search/form.uri?display=basic>
<https://scholar.google.com/>

-> “Cited by ...”

I have chosen, now what?

- Record the citation
 - reference management;
paper id
 - Zotero, Mendeley
 - JabRef
 - BibTeX, Word
- Saving paper text
 - filesystem
 - Mendeley, JabRef




Creating list of references

- BibTeX

- \bibliography

- \cite

- .bib, .bst



- @article
 - @inproceedings
 - @book
 - @report
 - @thesis
 - ...

<https://tex.stackexchange.com/questions/259300/how-to-make-a-bibliography-for-total-beginners>

- Word

- ribbon tab Reference -> Citations and bibliography

- stored in the given document only

<https://learn.microsoft.com/en-us/office/vba/word/concepts/working-with-word/working-with-bibliographies>

LaTeX + BiBTeX

my-bib-records.bib

paper.tex

```
\documentclass[conference]{IEEEtran}
\usepackage[utf8]{inputenc}
```

```
\begin{document}
\title{Example Document}
```

(...)

Patterns are well-known solutions to recurring
\cite{alexander1979timeless}. We hypothesize
models based on e.g. \ SPEM **\cite{omg2008s}**
between those two levels of description.

(...)

```
\bibliographystyle{IEEEtran}
\bibliography{my-bib-records}
```

```
\end{document}
```

```
@techreport{omg2008spem,
  institution = {Object Management Group},
  keywords = {meta-model,process},
  mendeley-tags = {process,meta-model},
  title = {{Software {\&} Systems Process Engineering}},
  url = {https://www.omg.org/spec/SPEM/},
  year = {2008}
}

@book{alexander1979timeless,
  title={The timeless way of building},
  author={Alexander, Christopher},
  volume={1},
  year={1979},
  publisher={New York: Oxford University Press}
}

@inproceedings{rubin2007process,
  title={Process mining framework for software process},
  author={Rubin, Vladimir and G{\&}nther, Christian W.
  Ekkart and Van Dongen, Boudewijn F and Sch{\&}fer,
  booktitle={International conference on software process},
  pages={169--181},
  year={2007},
  organization={Springer}
}

@article{larman2003iterative,
  author = {Larman, C. and Basili, V.R.},
```

+ “IEEEtran.bst” file

`latex paper.tex` + `bibtex paper` + `latex paper`

Word

The screenshot displays the Microsoft Word interface with the 'Reference' tab selected. The ribbon includes options for inserting citations, managing sources, and updating the bibliography. The document text shows a citation: 'Píší to v (Leblang, 1994) nebo i jinde.' Below this, the 'Citovaná literatura' (Cited Literature) section is visible, listing 'Leblang, David. 1994. The CM Challenge: Configuration Management That Works. Configuration Management. 1994.' The 'Upravit pramen' (Edit Source) dialog box is open, showing the details of the selected source. The dialog includes fields for the source type, language, author, title, journal, year, edition, volume, and issue. The 'Aktuální seznam' (Current List) pane on the right shows the source is selected and marked as 'citovaný pramen' (cited source).

howto-related-work-příklad.docx - Word

Soubor Domů Vložení Návrh Rozložení Reference Korespondence Revize Zobrazení Řekněte mi, co chcete udělat...

Přidat text Aktualizovat tabulku

Vložit vysvětlivku Vložit pozn. pod čarou Další poznámka pod čarou Zobrazit poznámky Poznámky pod čarou

Spravovat prameny Styl: ISO 690 – pn Vložit citaci Bibliografie Vložit seznam obrázků Aktualizovat tabulku Vložit titulky Křížový odkaz Vložit rejstřík Aktualizovat rejstřík Vložit seznam citací Aktualizovat tabulku

Obsah

Obsah

Navigace

Prohledat dokument

Nadpisy Stránky Výsledky

Citovaná literatura

Píší to v (Leblang, 1994) nebo i jinde.

Citovaná literatura

Leblang, David. 1994. The CM Challenge: Configuration Management That Works. Configuration Management. 1994.

Správce pramenů

Hledat: Seřadit podle autora

Procházet...

Aktuální seznam

Leblang, David: The CM Challenge: Configuration Management That Works

citovaný pramen

zástupný pramen

Upravit pramen

Typ pramene Článek v periodiku Jazyk Výchozí

Bibliografická pole pro ISO 690 – první prvek a datum

Autor Leblang, David Upravit

Podnikový Autor

Název The CM Challenge: Configuration Management That Works

Název periodika Configuration Management

Rok 1994

Edice

Svazek

Číslo

Zobrazit všechna bibliografická pole

Název značky Příklad: Jak vytvářet bibliografické informace

Dav94

OK Sorno

configuration Management That Works. Configuration Management. 1994.

Zavřít