

# Bibliography Management in $\text{\LaTeX}$

- ▶ Bibliographies/References are important for technical writing.
- ▶  $\text{\LaTeX}$  provides various features to incorporate references in a document.
  - ▶ built-in `thebibliography` environment.
  - ▶ **BibTeX**, the database of references

# Embedded thebibliography Environment

```
\begin{thebibliography}{5}  
\bibitem{akyildiz2008survey}  
Ian F Akyildiz and Won-Yeol Lee and Mehmet C Vuran  
and Shantidev Mohanty.  
\textit{A survey on spectrum management in cognitive  
radio networks},  
IEEE Communication Magazine, vol. 46, 2008.  
\end{thebibliography}
```

# How to Cite?

- ▶ `\cite{cite_key}`
- ▶ `\cite[p.~215]{cite_key}`
- ▶ `\cite{citation01,citation02,citation03}`
- ▶ `\nocite{cite_key}`
- ▶ run `latex filename` or, `pdflatex filename` twice to get the proper reference citations.

# Working with BibTeX

in .bib file

```
@article{akyildiz2008survey,  
  title="A survey on spectrum management in  
  cognitive radio networks",  
  author="Akyildiz, Ian F and Lee, Won-Yeol and  
  Vuran, Mehmet C and Mohanty, Shantidev",  
  journal="Communications Magazine, IEEE",  
  volume="46",  
  number="4",  
  pages="40--48",  
  year="2008",  
  publisher="IEEE"  
}
```

# Working with BibTeX

in .bib file

```
@article{akyildiz2008survey,  
  title="A survey on spectrum management in  
  cognitive radio networks",  
  author="Akyildiz, Ian F and Lee, Won-Yeol and  
  Vuran, Mehmet C and Mohanty, Shantidev",  
  journal="Communications Magazine, IEEE",  
  volume="46",  
  number="4",  
  pages="40--48",  
  year="2008",  
  publisher="IEEE"  
}
```

- ▶ Google Scholar is your Go-To-Guy.

# Working with BibTeX

in .tex file

```
\bibliographystyle{plain}  
\bibliography{example}
```

# Working with BibTeX

commands to generate proper citations

- ▶ `pdflatex latexFile.tex`
- ▶ `bibtex latexFile.aux`
- ▶ `pdflatex latexFile.tex`
- ▶ `pdflatex latexFile.tex`

-file extensions are optional