

Scientific Writing

Literature

- **Reasons**

- To give credit

- To assure readers about the accuracy of your facts.

- To show readers the research tradition that informs your work

- To help readers follow or extend your research.

- **Requirements**

- quote exact words

- paraphrase ideas

- use any ideas, data or method

- **Required Information**

- Who wrote, edited or translated the text ?

- What data identify the text ?

- title, subtitle

- edition number, collection, series

- volume number, edition number

- page numbers, URL,

- Who published the work and when ?

- **Legitimate References**

- Journals

- Conference Proceedings

- Books

- Technical Reports

- Online References – special requirements

- URL for online reference + plus date of last visit

- What about Lecture Notes ?

- What about Wikipedia ?

- **Examples**

- Journal

- Michel Sarkis, Klaus Diepold. *Content Adaptive Mesh Representation of Images using Binary Space Partitions*. IEEE Transactions on Image Processing. Vol.18, No. 5, pp. 1069-1079, May, 2009.

- Diepold K.; Pereira, F.; Chang, W.; *MPEG-A: Multimedia Application Formats*, IEEE Multimedia, vol. 12, no. 4, pp. 34-41, Oct.-Dec. 2005.

- **Examples**

- Conference Proceedings

- Christian Keimel, Michel Sarkis, Klaus Diepold. *Improving the Visual Quality of AVC/H.264 by Combining It with Content Adaptive Depth Map Compression*. 28th Picture Coding Symposium, PCS 2010.

- Diepold, Klaus, Pauli, Rainer. *Actions of Noncompact Groups and Algorithm Design: A Case Study*. Proceedings Intern. Conference on Acoustics, Speech, and Signal Processing (ICASSP), München, pages 47-50, 1997.

- **Examples**

- Chapters in Books

- Diepold, Klaus; Pauli, Rainer; Nossek, Josef A. A *Schur-type algorithm for the triangular factorization of positive semidefinite matrices*. In E. Deprettere and A.-J. Van der Veen, (Eds.), *Algorithms and Parallel VLSI Architectures*, Volume B, pages 33-42. Elsevier Science Publishers, 1991.

- **Examples**

- Books

- Diepold, Klaus, Möritz, Sebastian. *Understanding MPEG-4. Business and Technology Insights*. Focal Press, 2004.

- **Examples**

- Technical Reports

- Diepold, Klaus; Pauli, Rainer. *Die algebraischen Grundlagen der Kaskadensynthese linearer Systeme*. Technischer Bericht R-100/26, Institut Netzwerktheorie und Schaltungstechnik, Technische Universität München, 1987.

- **Examples**

- Online Reference

MPEGIF White Paper: Understanding MPEG-4: Technologies, Advantages, and Markets. Online available under URL

<http://www.m4if.org/public/documents/vaultMPEG4WhitePaperV2a.zip>. Last visit: Jan 25, 2012.

- **Numbering**

[63] Diepold, Klaus. *Sensor Subspace Fusion and Parallel Sum of Projectors*. Proc. Mathematical Theory of Networks and Systems (MTNS'08), Blacksburg, July 2008.

[Diepold 2008] Diepold, Klaus. *Sensor Subspace Fusion and Parallel Sum of Projectors*. Proc. Mathematical Theory of Networks and Systems (MTNS'08), Blacksburg, July 2008.

- **Sorting**

- Alphabetically
- Sequence of Appearance

- **Capitalization**

- All nouns and names are capitalized
- All binding words are lower case

Sensor Subspace Fusion and Parallel Sum of Projectors.

- **Alternative**

- Only first word of title is capitalized

Sensor subspace fusion and parallel sum of projectors.

- **Both are equivalent**

- Stick to one style, or read the Journal's Style Guide

- **References**

Kate L. Turbrian. *A Manual for Writers of Research Papers, Theses and Dissertations*. 7th Edition, The University of Chicago Press, 2007.