bib File Writing Toturial

tags: `tutorial` `latex` `bib`

A. Basic Information

- bib file contains all he references cited by your manuscript, each are in different formats according to their types:
    - e.g., Journal:
      @article{MEVS03,
      author = {Anirban Mahanti and Derek Eager and Mary Vernon and David Sundaram-Stukel},
      title = {Scalable On-demand Media Streaming with Packet Loss Recovery},
      journal = {ACM Transactions on Networking},
      volume = {11},
      number = {2},
      pages = {195--209},
      year = {2003}
      }
- Where to find the information required for the bib entries
    - Find the bibtex entry first

- Revise the entry
  - verify the information via Google scholar or the conference page, e.g., missing or wrong information
  - make each entry follow the same rule

B. Common Rules

1. Key: the **first letter of each author's last name + published year** (ex. YFFH17)
   - if there are more than 4 authors: **YFFH+17**
   - key conflicts: YFFH17**a**, YFFH17**b**
2. authors: connected with "**and**"
   - Fan, Ching-Ling **and** Yen, Shou-Cheng **and** Hsu, Cheng-Hsin
   - Ching-Ling Fan **and** Shou-Cheng Yen **and** Cheng-Hsin Hsu
3. Initial-Capitalized in title (when writing in the bib file)
4. pages: 13--23
5. **{}** for special terms, e.g., Internet, 3D, HEVC
6. Use **opt** as prefix to comment out the entry
   - optmonth={April} <- won't show up in the compiled paper

C. Samples for Each Reference Type

1. Journal
   @article{MEVS03,
   author = {Anirban Mahanti and Derek Eager and Mary Vernon and David Sundaram-Stukel},
   title = {Scalable On-demand Media Streaming with Packet Loss Recovery},
   journal = {**ACM** Transactions on Networking},
   volume = {11},
   number = {2},
   pages = {195--209},
   month = {April},
   year = {2003}
   }

   - no publisher entry, instead, move publisher (e.g., IEEE, ACM) to the head of journal name
   - require volume and number (issue)

2. Conference/workshop papers
   @inproceedings{LLGC11,
   author = {Yao Liu and Fei Li and Lei Guo and Songqing Chen},
   title = {A Measurement Study of Resource Utilization in {Internet} Mobile Streaming},
   booktitle = {**Proc. of ACM** International Workshop on Network and Operating Systems

Support for Digital Audio and Video (**NOSSDAV'11**)},

pages = {33--38},

month = {June},

year = {2011},

address = {Vancouver, Canada}

}

- Proc. of
- no publisher entry, instead, move IEEE or ACM to the head of booktitle
- address:
  - in USA: [CITY], [STATE abbr.] (ex. Los Angeles, CA)
  - otherwise: [CITY], [COUNTRY] (ex. Vancouver, Canada)

3. URL

@online{cisco_news,

author = {{Cisco Inc.}},

title = {Cisco Visual Networking Index: Forecast and Methodology, 2016-2021},

url ={https://www.cisco.com/c/en/us/solutions/collateral/service-provider/visual-networking-index-vni/complete-white-paper-c11-481360.html (https://www.cisco.com/c/en/us/solutions/collateral/service-provider/visual-networking-index-vni/complete-white-paper-c11-481360.html)},

year = {2017},

lastaccessed ={April 26, 2018}

}

or

@misc{cisco_news,

author = {{Cisco Inc.}},

title = {Cisco Visual Networking Index: Forecast and Methodology, 2016-2021},

key = {Cisco Visual Networking Index: Forecast and Methodology, 2016-2021},

year = {2017},

note = {\url{https://www.cisco.com/c/en/us/solutions/collateral/service-provider/visual-networking-index-vni/complete-white-paper-c11-481360.html (https://www.cisco.com/c/en/us/solutions/collateral/service-provider/visual-networking-index-vni/complete-white-paper-c11-481360.html)}}

}

4. Book chapter:

@incollection{Rezaei09,

author = {Mehdi Rezaei},

booktitle = {Mobile Multimedia Broadcasting Standards},

title = {Video Streaming over {DVB-H}},

chapter = {4},

publisher = {Springer US},

```
year = {2009},
pages = {109--131},
month = {November},
editor = {Fa-Long Luo}
}
```

- require chapter, publisher, and editor entry
- if you want to cite the whole book, then no chapter

5. Tech Report

```
@techreport{ITUTJ247,
type = {Standard},
key = {ITU-T J.247},
year = {2008},
title = {Objective Perceptual Multimedia Video Quality Measurement in the Presence of a Full Reference},
institution = {ITU Telecommunication Standardization Sector}
}
```

- standard, supplementary document, or non-published document

6. Thesis

```
@mastersthesis{Nordland2016,
author = {Atle Nordland},
title = {Compression of {3D} Media for {Internet} Transmission},
school = {University of Oslo},
year = {2016}
}
```

- masthersthesis, phdthesis