

HG7017: Computational Lexical Semantics

You and your Research

Francis Bond

Division of Linguistics and Multilingual Studies

`http://www3.ntu.edu.sg/home/fcbond/
bond@ieee.org`

Lecture X

Location: Com Lab 2

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Advice from the great

- Effective Research (Satoru Ikehara)
- You and your research (Richard Hamming)
- Authorship and credit
- Open Research and Reproducibility

Effective Research

- Write early — writing clarifies your thoughts
- Become an authority on your topic — start narrow and broaden you want to be the person people cite/invite
- Work on two strands — one can move forward when the other stops but don't spread yourself too thin

You and your research

- What are the important problems of your field?
 - Are you working on them? If not, why not?
 - Do important work rather than trivial work
- Talk to interesting people — keep your door open
- Sell your research (50%) — if it is not published/released it doesn't exist
- Choose which battles to fight (and which not to)
- Act respectfully to everyone (superior or inferior)
- Work harder — it's cumulative

Authorship

“IEEE affirms that authorship credit must be reserved for individuals who have met each of the following conditions:

1. Made a significant intellectual contribution to the theoretical development, system or experimental design, prototype development, and/or the analysis and interpretation of data associated with the work contained in the manuscript;
2. Contributed to drafting the article or reviewing and/or revising it for intellectual content;
3. Approved the final version of the manuscript as accepted for publication, including references.”

➤ Discuss authorship early; be generous; don't worry about the order so much

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- Cite widely (generally 25% of a good paper; less than 25% in-group)

Open Research and Reproducibility

- You should test your ideas against the state-of-the-art
- If you are the state-of-the-art you should make it easy for other people to compare
 - release test-data
 - release systems
 - preferably with a script to reproduce the exact results
- Papers with data get cited more — they move the field forwards
- Choose/construct data-sets you can release

Acknowledgments and References

- *You and your Research* Richard Hamming
Transcription of the Bell Communications Research Colloquium Seminar,
7 March 1986
<http://www.cs.virginia.edu/~robins/YouAndYourResearch.html>
- IEEE Publication Services and Products Board *Operations Manual* 15
February 2002, amended 29 June 2012