Introduction to Peer Review

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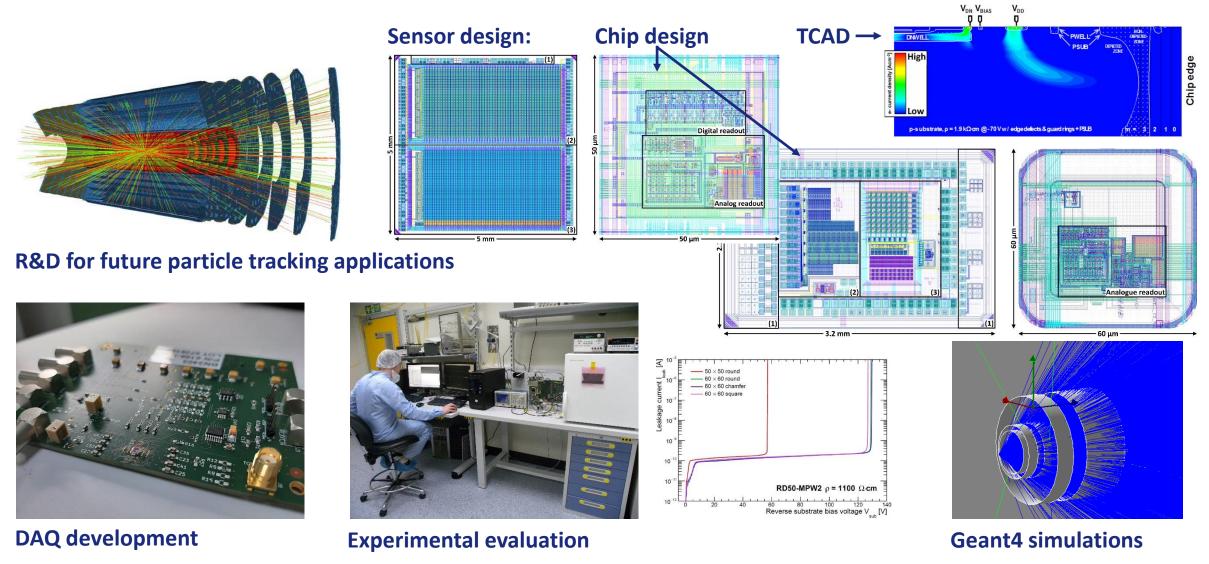
Today's session

- Short presentation with general information
- Peer reviewed paper I wrote, as an example to illustrate things





High Voltage CMOS R&D Group at Liverpool





Why do we publish?

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Because it is fun To attract new funding Why do we To inform the world about publish? the progress in research To built researchers' CVs To be compliant with grant rules



Principles of peer review

- Peer review consists in getting feedback from anonymous peers:
 - In research a peer is an expert in the same discipline as yours who can provide feedback or evaluate your work
- It is necessary:
 - To validate the quality and originality of a scientific manuscript before being accepted for publication
 - To help improve the overall quality of the article



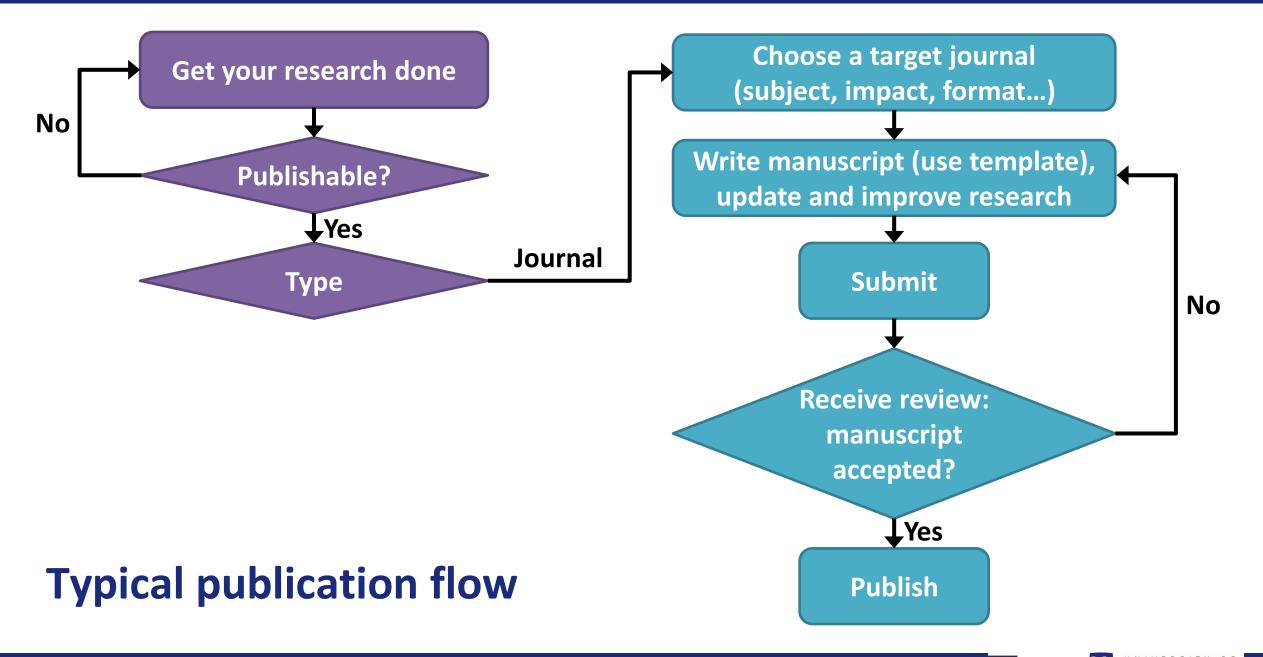


Peer review

- Blind (the names of the reviewers are not known)
- Usually 2 < reviewers < 3:</p>
 - They review independently (they don't know who the other reviewers are)
- Possible review outcomes are:
 - Rejected
 - Accepted with major revisions
 - Accepted with minor revisions
 - Accepted (vary rare after first submission, more common after improvements)

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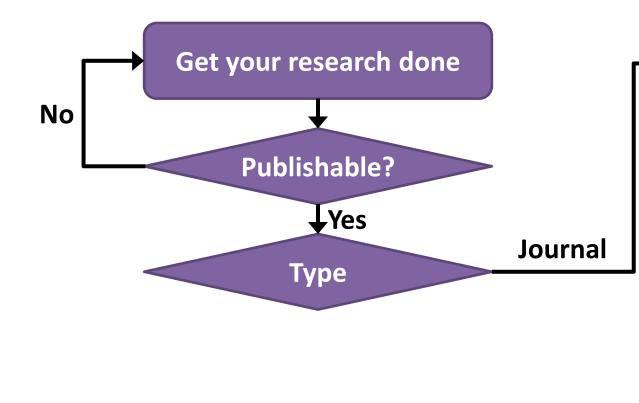
- The review outcome comes with a list of comments (e.g. requests for improving things) and sometimes also questions (e.g. reviewers can be genuinely curious)
- Sometimes the reviewers might disagree on their opinions (between them)
- DO NOT BE DISCOURAGED by the comments or request for revisions



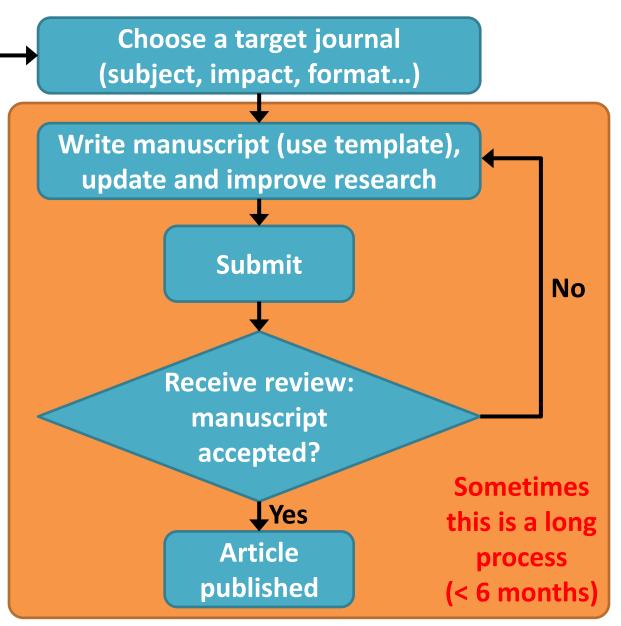
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Typical publication flow



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A few other things

First author vs. one of the other authors

- First author (or corresponding author) usually writes most part of the paper and takes care of the letter of response
- Might seek help from other authors
- My recommendation is to be the writing author of a few papers during your PhD time (you will learn a lot, you can use the papers to write your thesis)
- Regular paper submission vs. conference proceedings submission
 - Both are peer reviewed
 - Regular paper submission does not have a deadline
 - Conference proceedings have a (hard) submission deadline





A few other things

- Other things, apart from articles, are peer reviewed
 - E.g. grant and fellowship applications



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Peer reviewed paper as an example

- Peer reviewed paper I wrote as an example
 - Paper before the review (use journal's template from the beginning)
 - List of comments from reviewer(s)
 - Further explanations on something that is not clear enough
 - Additional or new plots to support research claims
 - Phrase things better, review the English and correct typos
 - Add more references
 - Some comments can suggest reviewers have misunderstood something
 - Some times reviewers make nasty comments
 - Letter of response to address the comments one by one
 - My style: comment, response and action (this is what I do)
 - Be kind to your reviewers
 - Redlined version with the improvements for reviewers convenience
 - Final published paper



Once the manuscript is accepted for publication





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Thank you for listening!

