

How to Publish



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Publication Venues

Four Types of Venues

Journals

Conferences
(with peer-reviews/
proceedings)

„accountable“

Workshops /
Conferences
(without peer
reviews/proceedings)

Electronic Archives

„non-accountable“

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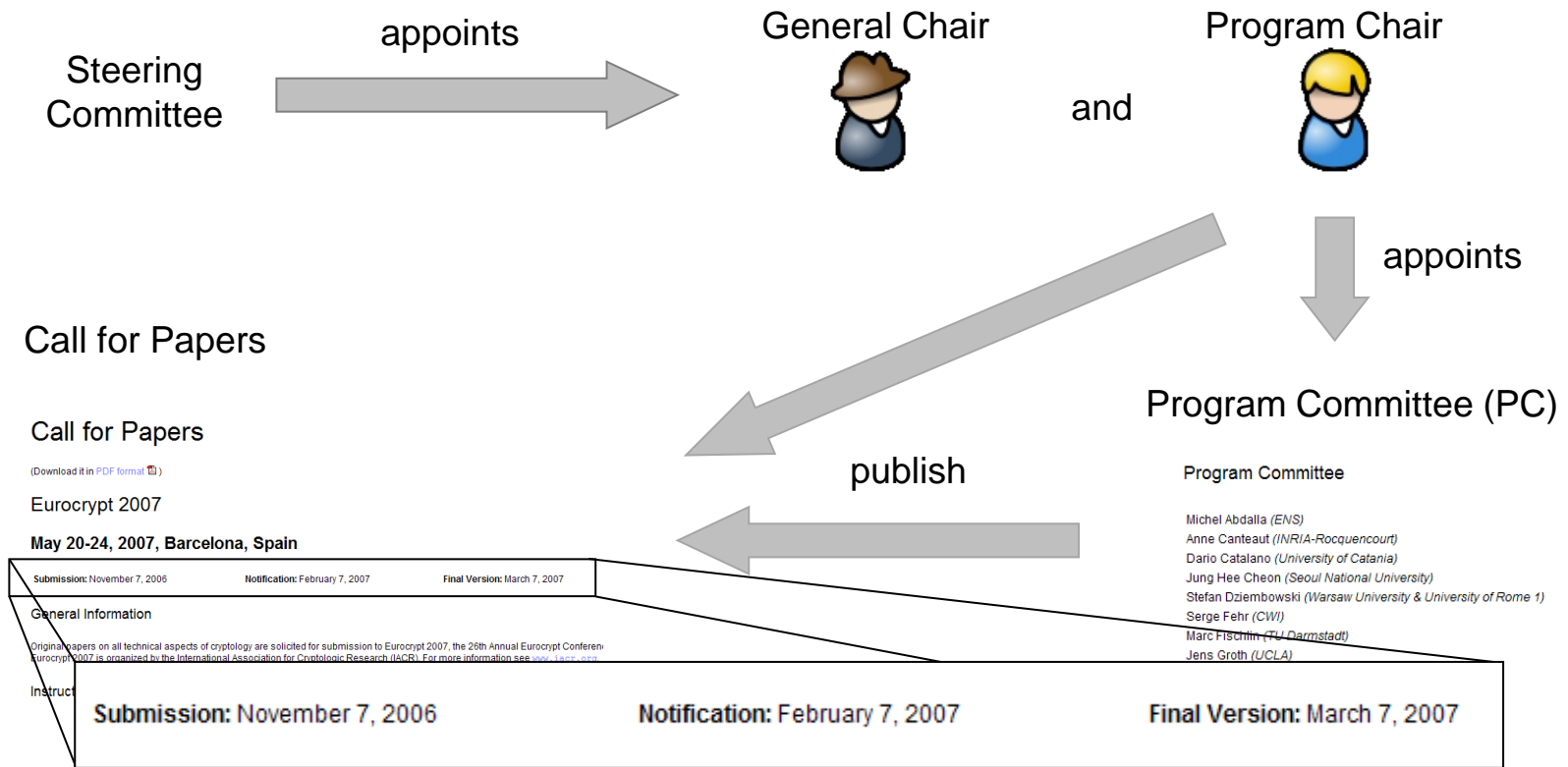
Electronic Archives

„non-accountable“

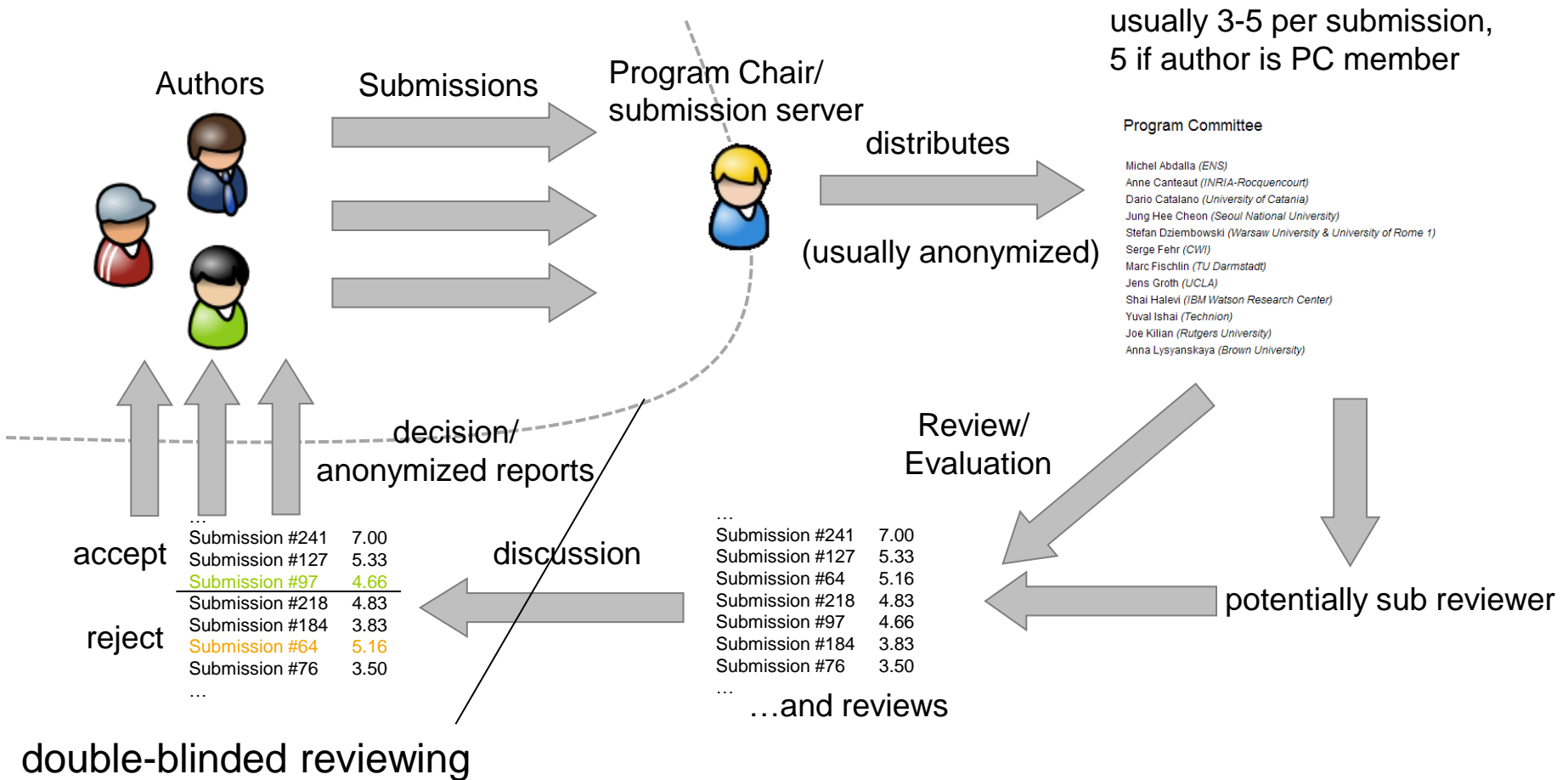
Conferences

- in Journals
 - classical way to publish (still is in some disciplines)
 - very long delay from submission to publication (years!)
 - comprehensive presentation and thorough reviewing
- Conferences with Proceedings
 - delay can be shorter, if accepted (ca. 3 – 6 months)
 - typically, limited number of pages (ca. 10-20 pages)
 - publications checked less thoroughly (?)

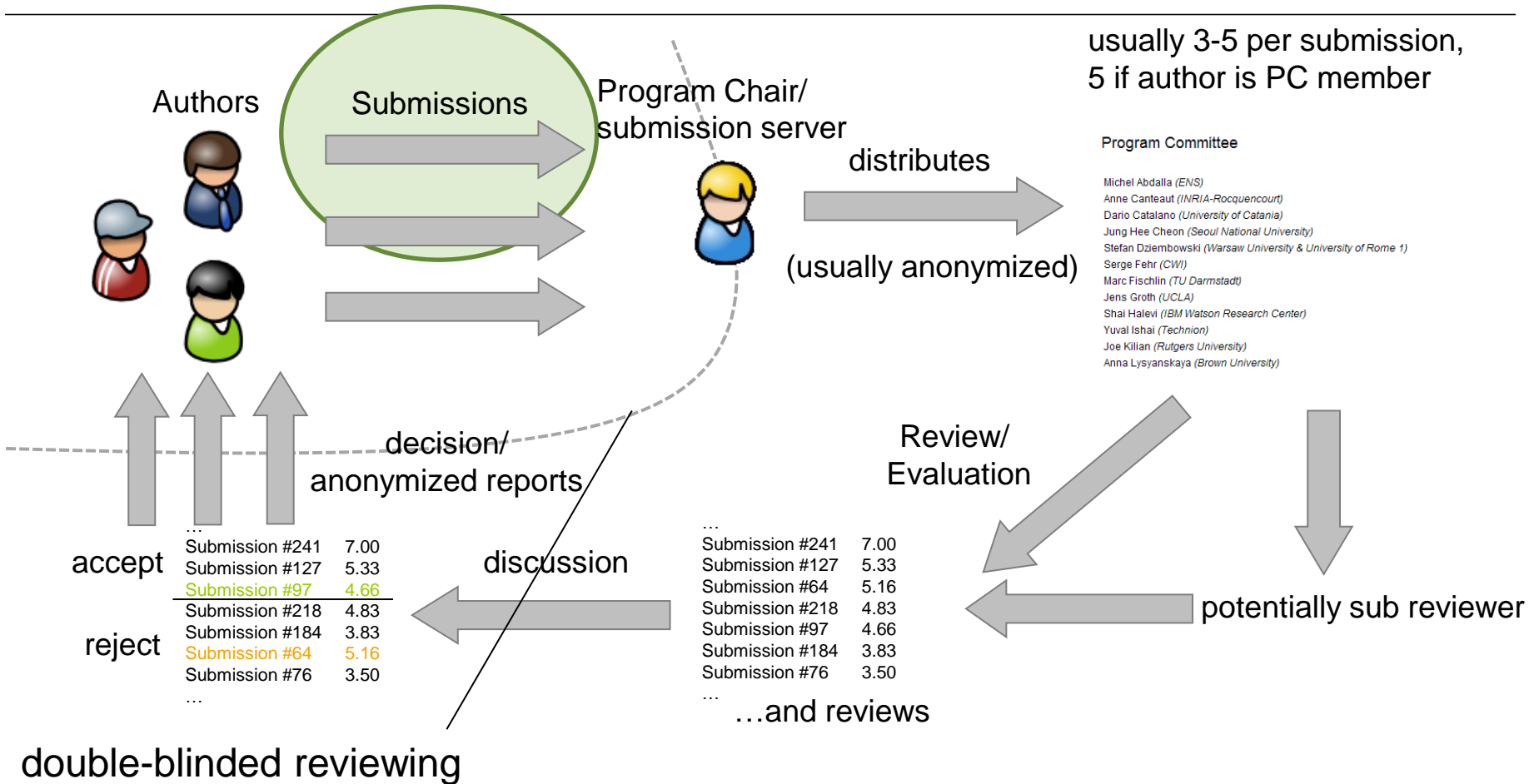
Setting up a Conference



Conference Process



Conference Process



How to Find Conferences?

- for main conferences every year around same time
- more and more conference moving to year-round submission cycles (eg, one every quater)
- for „our“ community:
International Association of Cryptological Research (IACR):

www.iacr.org/events/

see also: [ATHENE Conference Radar](#)

How to pick the right conference?

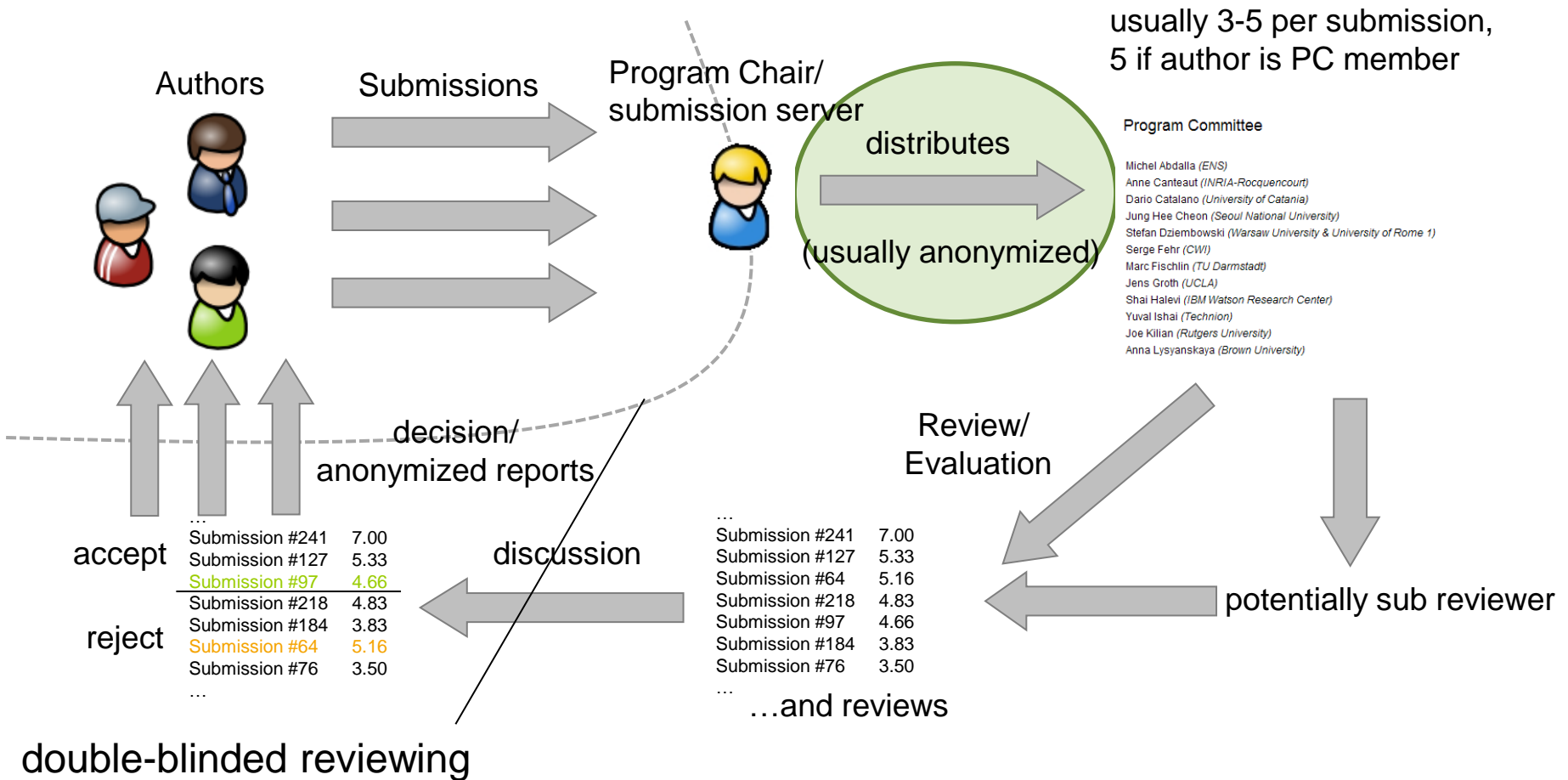
- one of the toughest questions in research...
- rule of thumb:
cited papers appear at conferences of similar quality
(but quality of results must also be good, of course)
- another good indicator: present at workshop and observe reaction (but subtract politeness)
- and then there is the story of the GMR ZK paper...

Conference Ranking

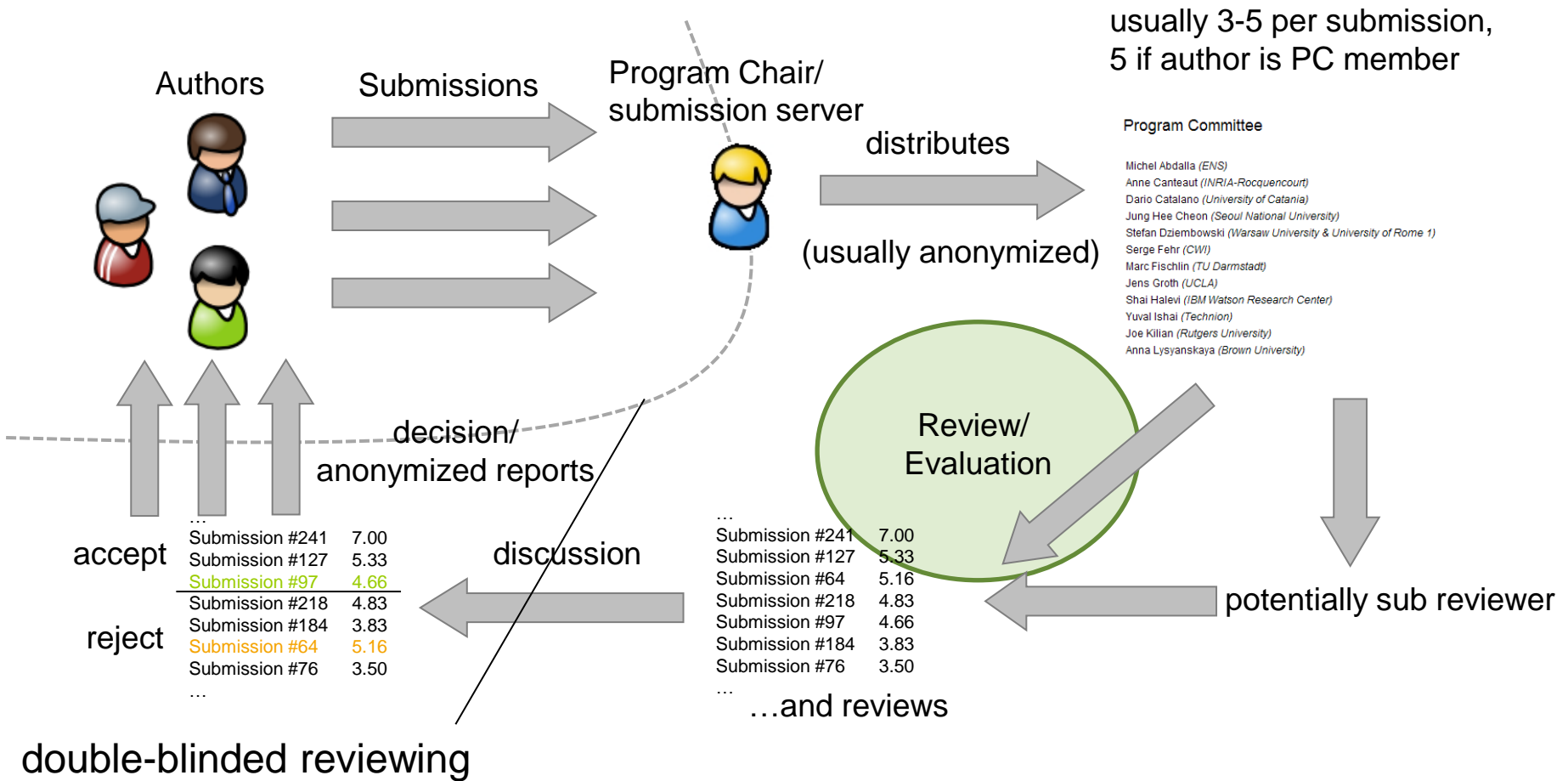
good general source:
[Core Ranking](#)

Crypto	Security	Theory	
<ul style="list-style-type: none">• Crypto, Eurocrypt	<ul style="list-style-type: none">• CCS, S&P• Usenix, NDSS	<ul style="list-style-type: none">• STOC, FOCS• PODC	first tier / A*
<ul style="list-style-type: none">• Asiacrypt,• TCC, CHES	<ul style="list-style-type: none">• ESORICS,• CSFW	<ul style="list-style-type: none">• ICALP,• STACS,• CCC	second tier / A
<ul style="list-style-type: none">• PKC, FSE,• CT-RSA,• ACNS	<ul style="list-style-type: none">• AsiaCCS,• ARES		third tier / B

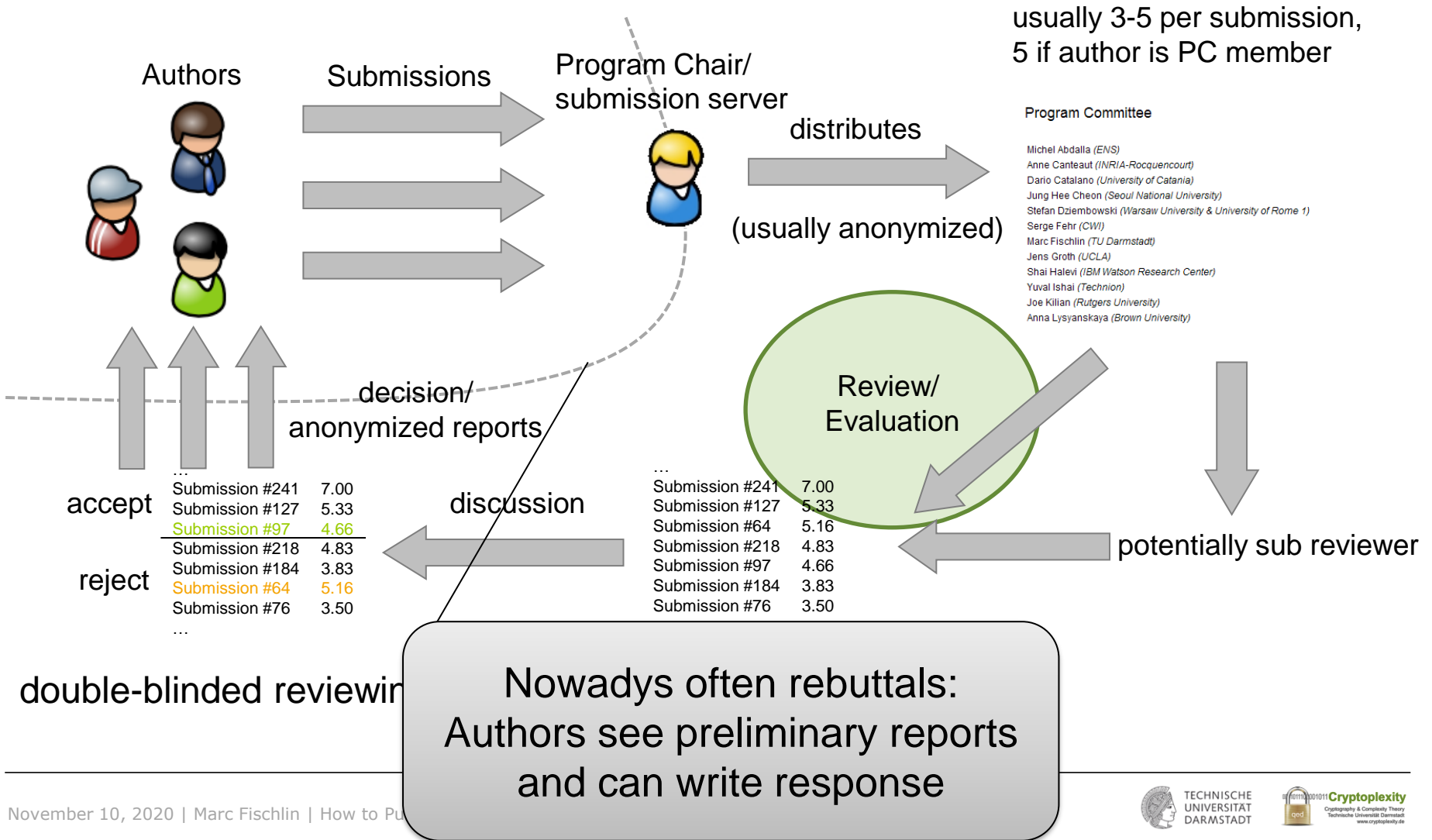
Conference Process



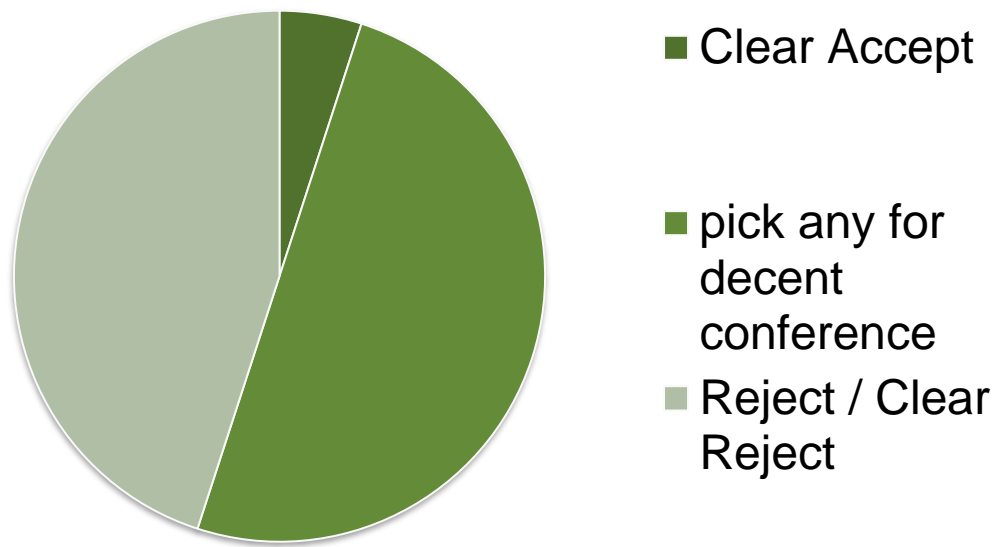
Conference Process



Conference Process: Rebuttal

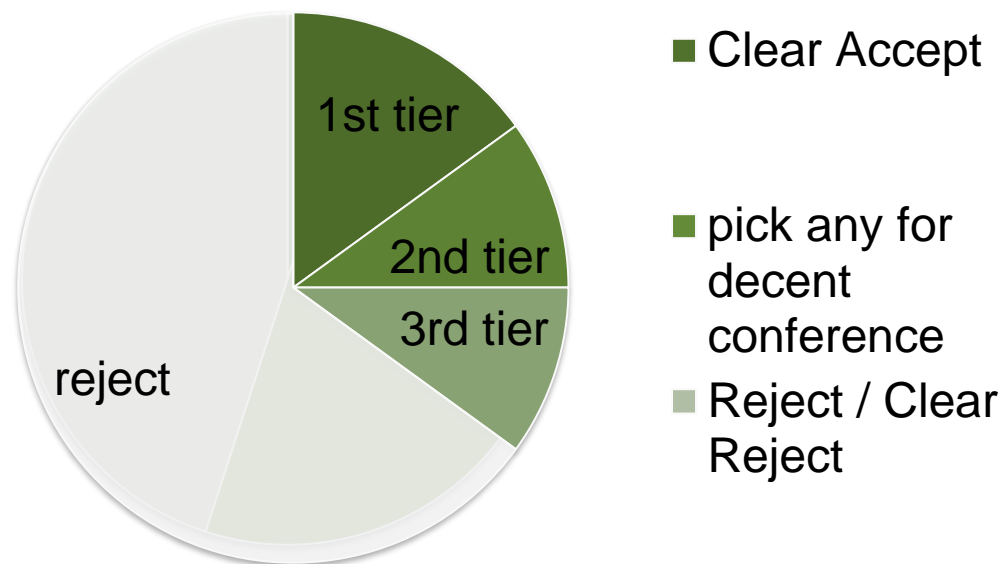


Quality Distribution of Submissions



- (not so serious) Hypothesis:
At every major crypto conference the „clear-accept number“ is a constant, equal to 8.

Acceptance Rates (approximately)



- 1st tier conferences: 10% - 20%
- 2nd tier conferences: 20% - 30%
- 3rd tier conferences: 30% - 40%

What's Wrong with the Reviewing Process today?

- Time Constraints
 - reviewers have too little time (or don't want to spend much time)
- Empirical Constraints
 - reviewers know that $> \frac{3}{4}$ of their assigned papers won't make it
- Expectations
 - reviewers expect to learn something useful, non-trivial
- Subconscious Bias
 - my area is important, holds especially for more junior reviewers

Implications of Conditions



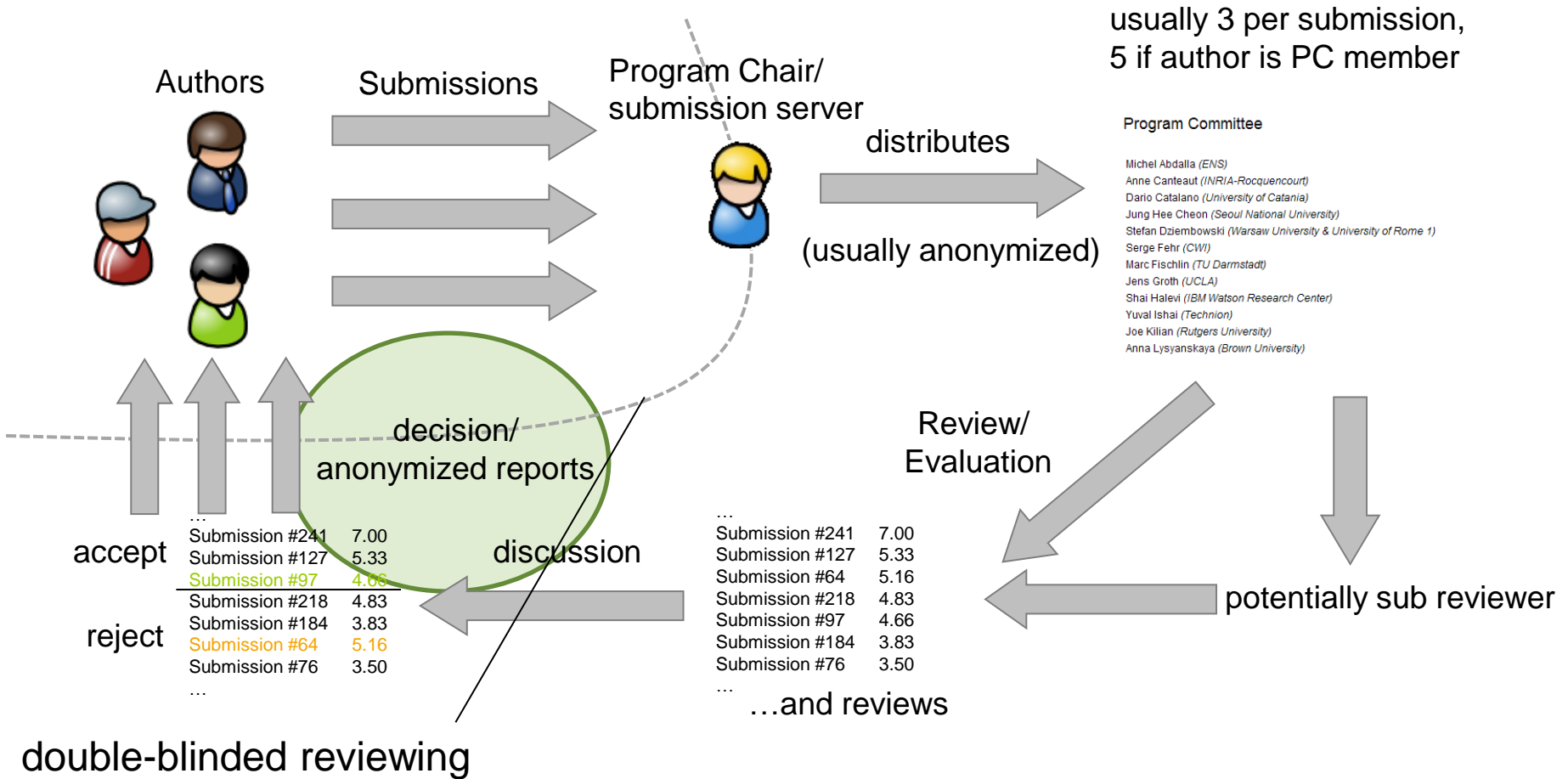
- reviewers often check local soundness but ignore question of importance of contribution and alternative solutions
- reviewers are happy if they find flaw, and stop immediately
- reviewers are impressed by technically involved results (if they at least get the main points)

How a Review should be



- be constructive
 - describe how authors can improve paper instead of dislikes
 - If there's a flaw, can one fix it *easily*? Else, is this part important?
- importance / concept over technical hardness
 - Does this paper advance the field? Or is it just complicated?
 - But: Technique can also be important (eg, hybrid method)
- be polite and fair

Conference Process



If the Paper gets Accepted

- take reviewers comments into account, but authors take responsibility for final version!
- when merge is demanded, comply
- when shepherding is enforced, obey to requests
- can sometimes ask for extra pages for final version

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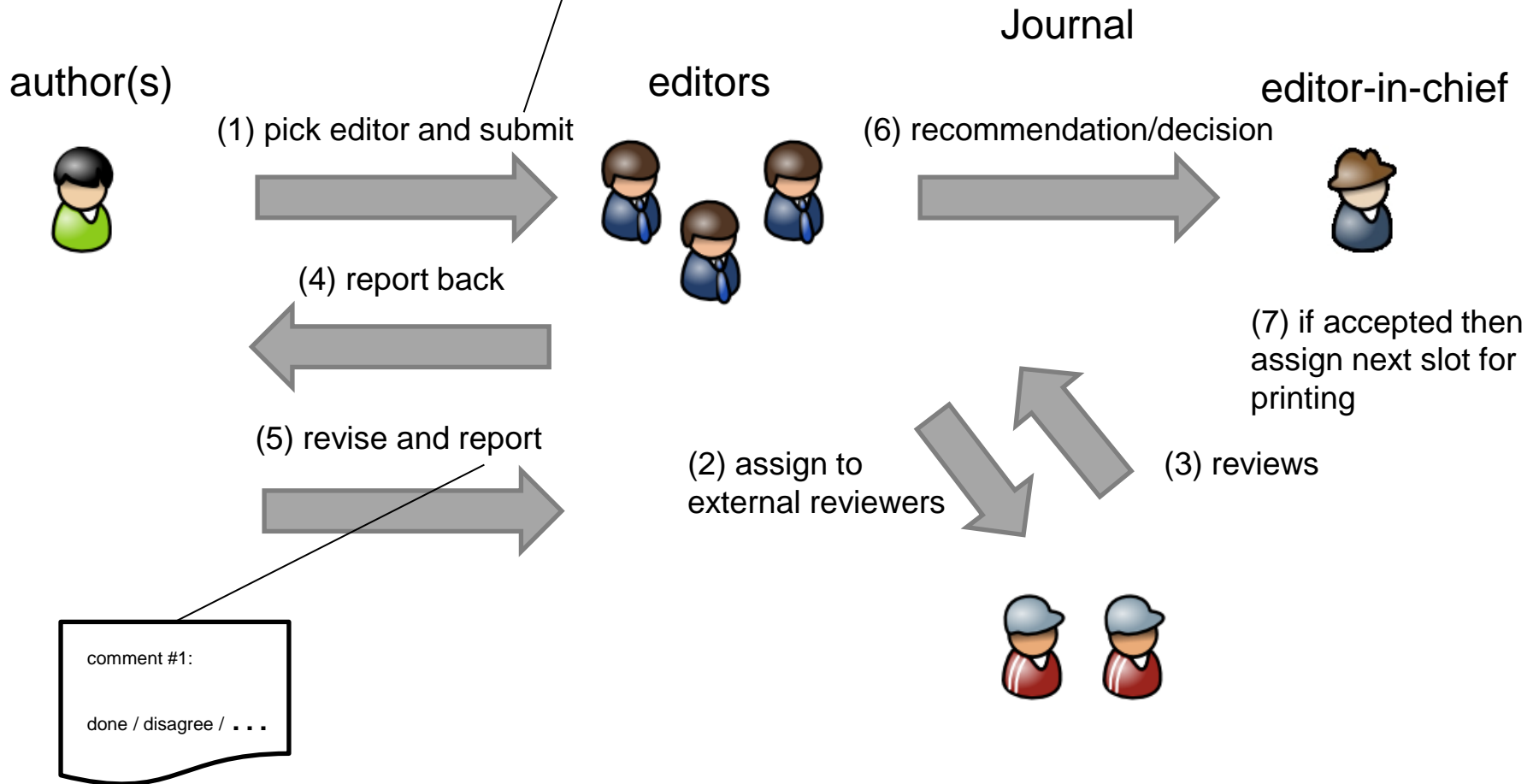
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Journals

typically non-anonymous



Journal Ranking

Microsoft Academic Research
not comprehensive

Crypto / Security

- Journal of Cryptology, TISSEC
- Journal of Mathematical Cryptology; Designs, Codes and Cryptography; IJACT

General

- JACM, CACM
- SIAMCOMP, JCSS
- TCS

many more
journals

only few crypto
journals
(cf. number of
conferences)

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Workshops

- usually no paper, just presentation
- can usually still publish at conferences and journals
- regular workshops in our community at:
 - Dagstuhl
 - Bertinoro
 - Leiden
 -

Electronic Archives

- typically no reviewing (just format)
- can still publish elsewhere, but time's ticking!
- known archives in our community:
 - „the“ crypto archive: eprint.iacr.org
 - other crypto-related archives: arXiv.org
 - ...