

Publication

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why publish?

- *an essential part of research*
- *must communicate results so that others will know what you have done*
- *gives value to your work*
 - *or ... if you don't publish your work cannot have value*

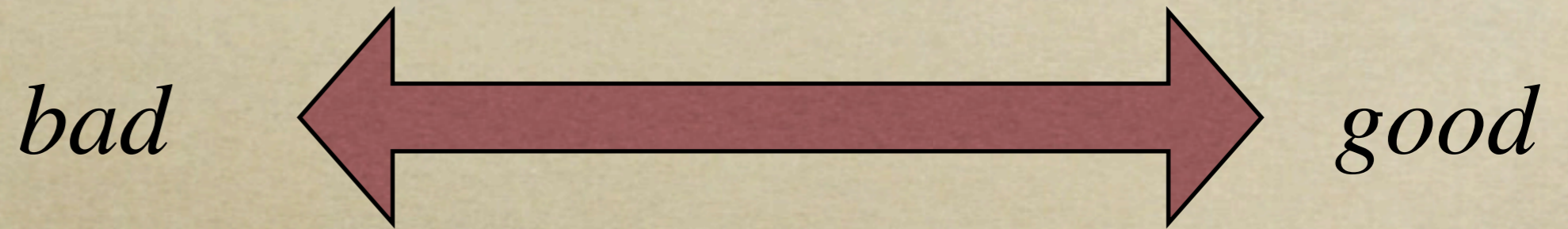
the currency of academia

- *“publish or perish”*
- *the measure of an academic career*
 - *recall “The Science Game”*
 - *expectations of publication counts at various points in career*
 - *quality also matters*

where to publish?

- *things to consider*
 - *peer review - more review means better publication*
 - *acceptance rates - lower rate means more exclusive*
 - *impact factors - does anybody care enough about your work to cite it?*

publication quality



peer review	<i>none</i>	<i>abstract only only</i>	<i>not selective</i>	<i>full</i>
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acceptance rate	<i>> 50%</i>	<i>25 - 50%</i>	<i>< 25%</i>
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impact	<i>never cited</i>	<i>rarely cited</i>	<i>widely cited</i>
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technical reports

- *internal reports within institutions*
 - *in industry - creates written record of your work for employer*
 - *in academia - instant publication*

technical reports

- *pros*
 - *fast*
- *cons*
 - *no peer review*
 - *100% acceptance rate*
 - *rarely cited*

conference proceedings

- *also known as*
 - *workshops*
 - *symposium*
- *difference is size of meeting*
- *conference may have associated workshops*

conference proceedings

- *written part*
 - *abstract-only, or*
 - *full paper*
- *presentation*
 - *oral, or*
 - *poster*
- *higher value for*
 - *plenary*
 - *keynote*
 - *invited*

conference proceedings

- *major venue for computer science*
- *vary in quality*
 - *variable peer review*
 - *variable acceptance rates*
 - *variable impact factor*

!!! beware !!!

- *conferences generate revenue for sponsoring organization*
 - *true for ALL conferences*
 - *IEEE/ACM generally reputable, but*
 - *no guarantee*
 - *commercial conference companies, e.g., IASTED*
 - *exotic local*
 - *high-acceptance rate*
 - *generally poor quality*
 - *rule of thumb*
 - *avoid Las Vegas and Orlando*

journals

- *were once main venue for publication*
- *for most complete work*
- *almost always peer review*
- *slow*
- *archival - but so are a lot of conference proceedings*

journals

- *“The Science Game”*
 - *conferences vary in quality*
 - *there is a sort of currency*
 - *e.g. 1 Nature = 3 PAMI*

other venues

- *book chapters*
 - *occasionally from conference proceedings*
 - *sometimes by invitation - no peer review, but invitation is prestigious*

other venues

- *visiting speakers*
- *invited talks*
- *web*
- *you tube*
- *books*
- *not peer review*
- *great accomplishment*
- *patent*

impact

- *will anybody read your paper after it is published?*
- *determine this by citations*
 - *somebody read it and thought it was worth mentioning*
 - *citation = interest = impact*
- *self-citation does not count*

impact factors

- *number of times a paper in a journal is cited over a fixed time interval*

Title20	Title	ISSN	Impact
AAPG BULL	AAPG BULLETIN	0149-1423	1.173
AAPS PHARMSCI	AAPS PHARMSCI	1522-1059	1.073
AATCC REV	AATCC REVIEW	1532-8813	
ABDOM IMAGING	ABDOMINAL IMAGING	0942-8925	0.857
ABH MATH SEM HAMBURG	ABHANDLUNGEN AUS DEM MATHEMATISCHEN SEMINAR DER UNIVERSITAT HAMBURG	0025-5858	0.182
ACAD EMERG MED	ACADEMIC EMERGENCY MEDICINE	1069-6563	1.144
ACAD MED	ACADEMIC MEDICINE	1040-2446	1.401
ACAD RADIOL	ACADEMIC RADIOLOGY	1076-6332	1.232
ACCOUNTS CHEM RES	ACCOUNTS OF CHEMICAL RESEARCH	0001-4842	12.781
ACCREDIT QUAL ASSUR	ACCREDITATION AND QUALITY ASSURANCE	0949-1775	0.818
ACH-MODELS CHEM	ACH-MODELS IN CHEMISTRY	1217-8969	0.318
ACI MATER J	ACI MATERIALS JOURNAL	0889-325X	0.503
ACI STRUCT J	ACI STRUCTURAL JOURNAL	0889-3241	0.435
ACM COMPUT SURV	ACM COMPUTING SURVEYS	0360-0300	0.641
ACM SIGPLAN NOTICES	ACM SIGPLAN NOTICES	0362-1340	0.224
ACM T COMPUT SYST	ACM TRANSACTIONS ON COMPUTER SYSTEMS	0734-2071	1.238
ACM T DATABASE SYST	ACM TRANSACTIONS ON DATABASE SYSTEMS	0362-5915	1.2
ACM T GRAPHIC	ACM TRANSACTIONS ON GRAPHICS	0730-0301	1.88
ACM T INFORM SYST	ACM TRANSACTIONS ON INFORMATION SYSTEMS	1046-8188	2.036
ACM T MATH SOFTWARE	ACM TRANSACTIONS ON MATHEMATICAL SOFTWARE	0098-3500	0.649
ACM T PROGR LANG SYS	ACM TRANSACTIONS ON PROGRAMMING LANGUAGES AND SYSTEMS	0164-0925	0.95
ACM T SOFTW ENG METH	ACM TRANSACTIONS ON SOFTWARE ENGINEERING AND METHODOLOGY	1049-331X	0.889
ACOUST PHYS+	ACOUSTICAL PHYSICS	1063-7710	0.363
ACSMS HEALTH FIT J	ACSMS HEALTH & FITNESS JOURNAL	1091-5397	0.333
ACTA AGR SCAND A-AN	ACTA AGRICULTURAE SCANDINAVICA SECTION A- ANIMAL SCIENCE	0906-4702	0.522
ACTA AGR SCAND B-S P	ACTA AGRICULTURAE SCANDINAVICA SECTION B-SOIL AND PLANT SCIENCE	0906-4710	0.293
ACTA ALIMENT HUNG	ACTA ALIMENTARIA	0139-3006	0.275
ACTA ANAESTH SCAND	ACTA ANAESTHESIOLOGICA SCANDINAVICA	0001-5172	1.435
ACTA APPL MATH	ACTA APPLICANDAE MATHEMATICAE	0167-8010	0.460

self plagiarism

- *self-plagiarism = publishing your own work in more than one venue*
- *accepted to some extent*
 - *especially when original is not archival*
- *less acceptable as conferences become main venue for interchange*
- *editors/publishers starting to use plagiarism detection software*

how to get started?

- *do assignment 1*
- *ask your supervisor*
- *find papers in your area*
- *check citations in papers in your area*
- *check impact factors*