



Panel
How to Publish Papers in IEEE RAS
Publications

Panelists

Peter Luh (**UConn**), Seth Hutchinson, Bruno Siciliano,
Stefano Stramigioli, Ian Walker, Jing Xiao



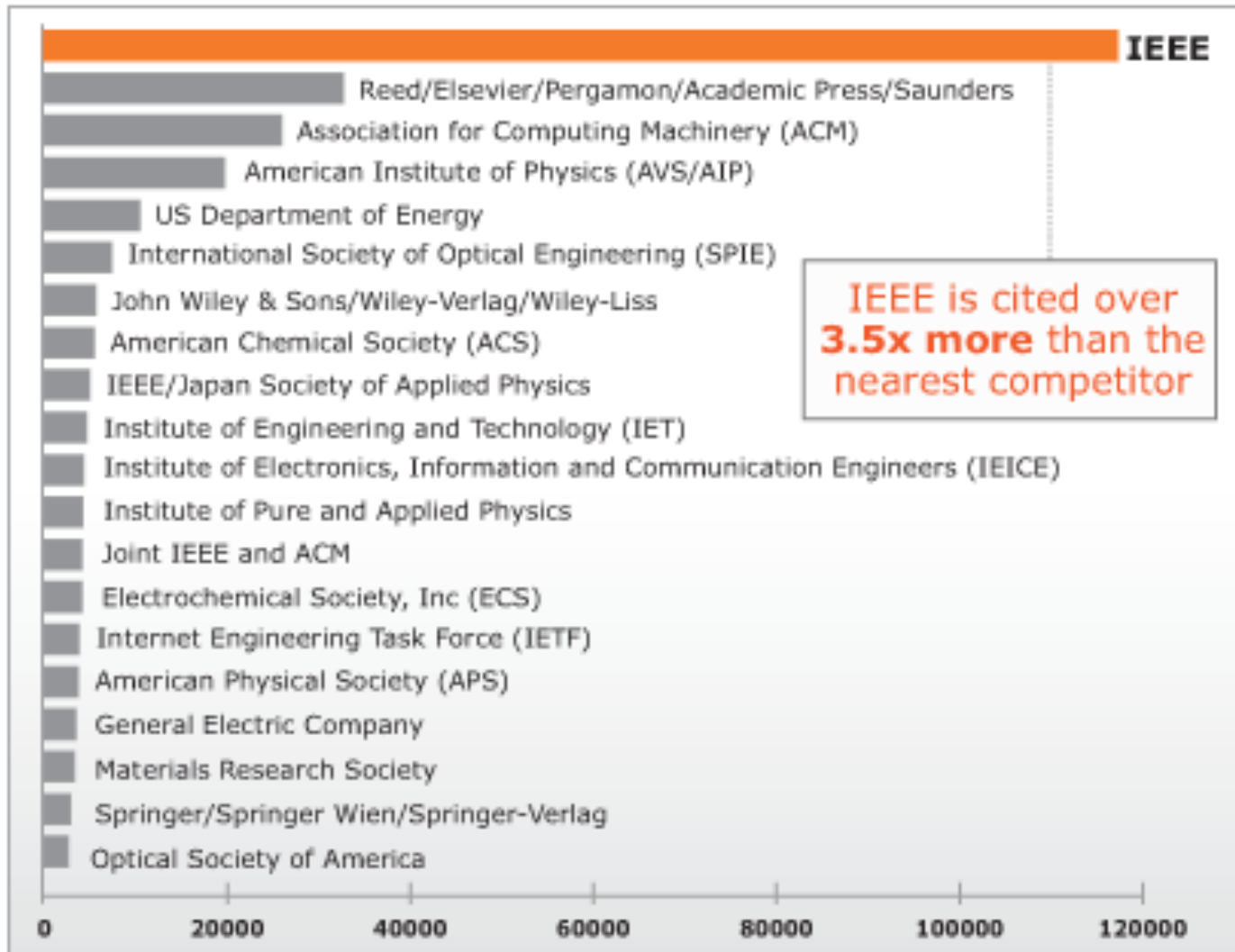


Introduction



- Publication is one of the few methods at a scholar's disposal to disseminate cutting-edge research results and to ensure steady progress of science and technology
- Where to publish? “Good journals”
 - **Impact factor:** The average number of citations per articles
 - Devised by **Eugene Garfield**, the founder of the Institute for Scientific Information (ISI), now part of Thomson Reuter
 - **Explore downloads:** The number of times a paper is downloaded
 - Key for the distribution of incomes to RAS
- New Trend
 - Quality and timeliness
 - Open access and multi-media

- For patents filed with the U.S. Patent Office by top 20 patenting organizations in 2008, publishers referenced most frequently:





RAS Publications



- Society owned
 - (IEEE Transactions on Robotics and Automation)
 - IEEE Transactions on Robotics
 - IEEE Transactions on Automation Science and Engineering
 - IEEE Robotics and Automation Magazine
- Co-sponsoring
 - IEEE Transactions on Haptics
 - IEEE/ASME Transactions on Mechatronics
 - IEEE/ASME Journal on MEMS
 - IEEE Transactions on Nano-Bio Sciences
 - IEEE Transactions on Nanotechnology
 - IEEE Sensors Journal
 - IEEE Systems Journal



How to Publish Papers?



- Relevant and visionary research
- Good and clear writing
 - What is the problem addressed in the paper?
 - Why is the problem important?
 - Why is the problem difficult? D1, D2 and D3
 - What are the magic touches? M1, M2 and M3
 - What are the results and insights? R1, R2 and R3
- Be mentally prepared if the paper is rejected
- Be nice to associate editors, editors, EiC and reviewers



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- Society owned
 - (IEEE Transactions on **Robotics and Automation**)
 - IEEE Transactions on Robotics
 - IEEE Trans. on **Automation** Science and Engineering (2004)
 - IEEE Robotics and Automation Magazine
- Co-sponsoring
 - IEEE Transactions on Haptics
 - IEEE/ASME Transactions on Mechatronics
 - IEEE/ASME Journal on MEMS
 - IEEE Transactions on Nano-Bio Sciences
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 - IEEE Sensors Journal
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 - **Quality and timeliness**
 - **Open access and multi-media – An exciting era for publication!** ₂



Panel

How to Publish Papers in IEEE RAS Publications

A personal note: Mentor, Issues, ICRA 2003
Panelists

Peter Luh (UConn), Seth Hutchinson, Bruno Siciliano,
Stefano Stramigioli, Ian Walker, Jing Xiao – **The torch
has been passed on!**



2008 Impact Factors - Robotics



	Journal Title	Total Cites	Impact Factor	5-Y IF	Immed Index	Articles	Half-life
1	RA Magazine	709	3.000	2.584	0.256	39	4.3
2	INT J ROBOT RES	3472	2.882	3.369	0.465	71	8.8
3	J FIELD ROBOT	282	2.684		0.436	39	2.2
4	IEEE T ROBOT	7580	2.656	3.751	0.331	133	9.2
5	J ROBOTIC SYST	905	2.250	1.207		0	>10.0
6	AUTON ROBOT	1134	1.500	2.293	0.220	50	6.9
7	ROBOT CIM-INT MAN	898	1.371	1.564	0.338	77	5.8
8	ROBOT AUTON SYST	1364	1.214	1.789	0.093	86	5.8
9	ROBOTICA	848	0.781	0.983	0.119	67	7.0
10	ADV ROBOTICS	488	0.737	0.909	0.111	81	5.2
11	J INTEL ROBOT SYST	497	0.560	0.682	0.017	60	7.1
12	INT J HUM ROBOT	165	0.542		0.067	30	4.2
13	INT J ROBOT AUTOM	151	0.409		0.000	7	6.7
14	IND ROBOT	245	0.404	0.471	0.073	55	5.6

2008	Automation/Control	Total Cites	Impact Factor	5-Y IF	Immed Index	Articles	Half-life
1	IEEE T IND ELECTRON	9014	5.468	4.665	0.460	454	4.8
2	IEEE T Automatic Contr	23227	3.293	4.828	0.216	301	>10.0
3	AUTOMATICA	12382	3.178	4.013	0.278	388	8.0
4	J MACH LEARN RES	3328	3.116	5.881	0.305	95	5.0
5	RA Magazine	709	3.000	2.584	0.256	39	4.3
6	IEEE CONTR SYST MAG	2245	2.827	2.731	0.441	34	8.2
7	INT J INNOV COMPUT I	907	2.791	2.697	0.253	296	2.1
8	IEEE T SYST MAN CY B	3991	2.361	2.992	0.268	149	5.1
9	IEEE T IND INFORM	227	2.356	2.565	0.286	28	2.6
10	J ROBOTIC SYST	905	2.250	1.207		0	>10.0
11	IEEE T CONTR SYST T	3114	2.130	2.566	0.288	132	6.5
12	AUTON AGENT MUL-AG	518	2.125	2.835	0.296	27	4.8
13	IEE P-CONTR THEO AP	1956	2.106	2.419		0	6.8
14	SYST CONTROL LETT	4479	2.073	2.620	0.235	136	9.1
15	CHEMOMETR INTE LAB	3625	1.940	2.232	0.471	104	8.4
16	IEEE T AUTOM SCI ENG	318	1.929	2.100	0.349	63	2.6
17	CONTROL ENG PRACT	2543	1.871	2.091	0.344	122	5.8
18	CONTROL AUTOM	101	1.867	3.200		0	2.8
19	IEEE-ASME T MECH	1624	1.614	2.273	0.286	77	5.8
20	J PROCESS CONTR	1620	1.606	2.197	0.321	84	5.9



Xplore Downloads



2008 Downloads	2005	2006	2007	2008	Sum by Pub	RANK
M-RA	5,767	8,692	21,282	20,006	78,269	106
J-RA	0	0	0	0	9,246	164
T-RA	0	0	0	0	106,768	83
T-RO	15,536	14,659	26,315	37,783	98,697	88
T-ASE	3,711	5,296	9,603	19,290	39,971	127
T-AC	29,024	31,268	59,570	102,723	660,476	9

- Have to promote institution downloads



Xplore Downloads



2007 Downloads	2004	2005	2006	2007	Sum by Pub	RANK
M-RA	5,068	8,404	16,836	17,892	66,301	113
J-RA [pre 88]	0	0	0	0	10,968	157
J-RA	0	0	0	0	5,281	172
T-RA	10,566	0	0	0	122,590	79
T-RO	5,010	19,001	25,191	30,769	79,971	105
T-ASE	2,652	5,806	9,181	14,838	32,486	131
T-AC	39,756	41,613	61,584	111,292	749,810	9