

The Impact and Value of MSR publications

V1, April 21, 2015.

This document provides arguments that you can use to show the high value and high impact of MSR publications. By comparison to other conferences, we show that the MSR conference is “*CORE A-like*”, which is an “excellent conference, and highly respected in a discipline area” [1].

MSR is currently not ranked A in the CORE rankings. The MSR steering committee will request a reranking of the conference at the earliest possible moment, which is expected to be in late 2015.

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-- The MSR Steering Committee

[1] Computing Research & Education. Conference Rankings. <http://core.edu.au/index.php/conference-rankings>

Arguments that show that MSR is “CORE A-like”

- The acceptance rate of MSR full papers is around 32%, in line with many CORE A conferences
- The Google Scholar h5 index for the MSR conference is 25 (h5-median: 39) is above many other CORE A conferences.
- The MSR conference is in the Top 20 publications matching “software” on Google Scholar.
- MSR is ranked #14 in Microsoft Academic Search out of 138 Software Engineering conferences. The conference has a Field Rating of 7, together with and above other CORE A conferences.
- MSR is an established conference, with senior organizers (the General Chairs and PC Co-Chairs have in general Google Scholar h-indexes above 30).
- MSR is sponsored by IEEE TCSE and ACM SIGSOFT and from 2015 on, MSR can award ACM SIGSOFT Distinguished Paper Awards.
- The best papers of the MSR conference are invited to special issues of the Empirical Software Engineering (EMSE) journal, which has an impact factor of 1.640 (second highest among software engineering journals)

Acceptance Rates of the MSR Conference

The acceptance rate of MSR ranges around 32%, in line with many CORE A conferences.

	Conference	CORE	Acceptance Rates
AOSD	International Conference on Aspect-Oriented Software Development	A	25% – 35%
ASE	International Conference on Automated Software Engineering (ASE)	A	15% – 20%
ECSA	European Conference on Software Architecture	A	18% – 30%
ESEM	Intl. Symposium on Empirical Software Engineering and Measurement	A	19% – 28%
FSE	Foundations of Software Engineering (SIGSOFT FSE)	A	17% – 22%
ICSE	International Conference on Software Engineering (ICSE)	A*	18% – 21%
ICSME	International Conference on Software Maintenance (ICSM)	A	19% – 25%
ICSSP	International Conference of Software and Systems Process (was ICSP)	A	33% – 41%
ISSRE	International Symposium on Software Reliability Engineering	A	25% – 35%
ISSTA	International Symposium on Software Testing and Analysis (ISSTA)	A	26% – 29%
MSR	Working Conference on Mining Software Repositories (MSR)		28% – 36%
RE	International Requirements Engineering Conference	A	18% – 27%
WICSA	Joint Working IEEE/IFIP Conference on Software Architecture	A	20% – 21%

Data based 2012-2014 on <http://web.engr.illinois.edu/~taoxie/seconferences.htm> and the front matters of the individual conferences.

The Google Scholar h5 index for the MSR conference

The Google Scholar h5 index for the MSR conference is 25 (h5-median: 39), in line with and above other CORE A conferences.

	Conference	CORE	h5-index	h5-median
ICSE	International Conference on Software Engineering (ICSE)	A*	57	94
FSE	Foundations of Software Engineering (SIGSOFT FSE)	A	38	53
ISSTA	International Symposium on Software Testing and Analysis (ISSTA)	A	31	47
ASE	International Conference on Automated Software Engineering (ASE)	A	30	44
ICSME	International Conference on Software Maintenance (ICSM)	A	25	40
MSR	Working Conference on Mining Software Repositories (MSR)		25	39
ESEM	Intl. Symposium on Empirical Software Engineering and Measurement	A	24	31
RE	International Requirements Engineering Conference	A	22	32
AOSD	International Conference on Aspect-Oriented Software Development	A	22	39
WICSA	Joint Working IEEE/IFIP Conference on Software Architecture	A	18	25
ISSRE	International Symposium on Software Reliability Engineering	A	18	25
ECSA	European Conference on Software Architecture	A	16	21
ICSSP	International Conference of Software and Systems Process (was ICSP)	A	13	21

(Data as of December 31, 2014.)

The MSR Conference on Google Scholar

The MSR conference is in the Top 20 publications matching “software” on Google Scholar.

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Publication	h5-index	h5-median
1. International Conference on Software Engineering	57	94
2. Environmental Modelling & Software	51	69
3. IEEE Transactions on Software Engineering	47	72
4. Journal of Statistical Software	45	113
5. Information and Software Technology	45	64
6. Journal of Systems and Software	41	56
7. ACM Symposium on User Interface Software and Technology	40	62
8. Foundations of Software Engineering (SIGSOFT FSE)	38	53
9. IEEE Software	35	54
10. Advances in Engineering Software	32	43
11. International Symposium on Software Testing and Analysis	31	47
12. Empirical Software Engineering	30	46
13. IEEE/ACM International Conference on Automated Software Engineering (ASE)	30	44
14. IEEE International Conference on Software Testing, Verification and Validation Workshops (ICSTW)	30	38
15. Software & Systems Modeling	27	43
16. ACM Transactions on Mathematical Software (TOMS)	26	45
17. Software: Practice and Experience	26	39
18. IEEE International Conference on Software Maintenance	25	40
19. Mining Software Repositories	25	39
20. International Journal on Software Tools for Technology Transfer	25	31

Dates and citation counts are estimated and are determined automatically by a computer program.


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http://scholar.google.com/citations?hl=en&view_op=search_venues&vq=software

(Data as of December 31, 2014.)

The MSR Conference on Microsoft Academic Search

MSR appears #14 in Microsoft Academic Search out of 138 Software Engineering conferences. The conference has a Field Rating of 7, together with (and above) many other CORE A conferences



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Academic > Computer Science > Software Engineering

Top conferences in software engineering

1-100 of 138 results

Last 5 Years ▾
1 2 ▸

Conferences	Publications	Field Rating ▾
ICSE - International Conference on Software Engineering	908	18
CAV - Computer Aided Verification	123	11
OOPSLA - Conference on Object-Oriented Programming Systems, Languages, and Applications	296	10
TACAS - Tools and Algorithms for Construction and Analysis of Systems	102	10
ESEC - European Software Engineering Conference	52	10
SAC - ACM Symposium on Applied Computing	1131	9
ICST - International Conference on Software Testing, Verification, and Validation	483	9
AOSD - Aspect-Oriented Software Development	98	8
FoSSaCS - Foundations of Software Science and Computation Structure	87	8
VMCAI - Verification, Model Checking and Abstract Interpretation	84	8
ISSTA - International Symposium on Software Testing and Analysis	70	8
VEE - International Conference on Virtual Execution Environments	30	8
ASE - Automated Software Engineering	296	7
MSR - Mining Software Repositories	136	7
SPLC - Software Product Lines	103	7
FASE - Fundamental Approaches to Software Engineering	94	7
FM - World Congress on Formal Methods	55	7
COMPSAC - International Computer Software and Applications Conference	393	6
MODELS - Model Driven Engineering Languages and Systems	207	6
ICSM - International Conference on Software Maintenance	181	6
WETICE - Workshop on Enabling Technologies: Infrastructure for Collaborative Enterprises	173	6
ICPC - International Conference on Program Comprehension	147	6
WICSA - Working IEEE/IFIP Conference on Software Architecture	119	6
QEST - Quantitative Evaluation of Systems	115	6
CP - Principles and Practice of Constraint Programming	114	6
RTA - Rewriting Techniques and Applications	82	6
FMCAD - Formal Methods in Computer-Aided Design	67	6
SAS(WSA) - Static Analysis Symposium/Workshop on Static Analysis	54	6
ECMDAFA - European Conference on Model Driven Architecture - Foundations and Applications	53	6
SPIN - International Workshop on Model Checking of Software	43	6
ICMT - International Conference on Model Transformation	38	6
COORDINATION - Coordination Models and Languages	29	6

<http://academic.research.microsoft.com/RankList?entitytype=3&topdomainid=2&subdomainid=4&last=5&orderby=6>

(Data as of December 31, 2014.)

Past Organizers of the MSR Conference

Year	General Chair	PC Co-chairs	Data Showcase Chair	Challenge Chair
2016	Miryung Kim	Romain Robbes Christian Bird	TBD	TBD
2015	Massimiliano Di Penta	Martin Pinzger Romain Robbes	Yasutaka Kamei	Annie Ying
2014	Prem Devanbu	Sung Kim Martin Pinzger	Emad Shihab	Olga Baysal
2013	Thomas Zimmermann	Massimiliano Di Penta Sung Kim	Daniel German	Alberto Bacchelli

Year	General Chair	PC Co-chairs	Challenge Chair
2012	Michele Lanza	Massimiliano Di Penta Tao Xie	Emad Shihab
2011	Arie van Deursen	Tao Xie Thomas Zimmermann	Adrian Schröter
2010	Audris Mockus	Jim Whitehead Thomas Zimmermann	Abram Hindle
2009	Katsuro Inoue	Michael W. Godfrey Jim Whitehead	Chris Bird
2008	Ahmed Hassan	Michele Lanza Michael W. Godfrey	Sung Kim
2007	(no General Chair)	Harald Gall Michele Lanza	Thomas Zimmermann

Year	Organizers	Challenge Chair
2006	Stephan Diehl Harald Gall Ahmed E. Hassan	Martin Pinzger

Year	Organizers
2005	Ahmed E. Hassan Richard C. Holt Stephan Diehl
2004	Ahmed E. Hassan Richard C. Holt Audris Mockus

The Mining Challenge track was introduced in 2006. The Data Showcase track was introduced in 2013

From 2016 onwards, International Conference on Mining Software Repositories

From 2008-2015, Working Conference on Mining Software Repositories

From 2004-2007, Workshop on Mining Software Repositories

Number of Accepted Papers / Submissions (Percentage) (since 2010)

Year	Full Papers	Short Papers	Data Showcase	Mining Challenge	Total Submissions
2015	32/106 (30%)	10/30 (33%)	16/26 (62%)	14/21 (67%)	183
2014	29/85 (34%)	10/27 (37%)	15/22 (68%)	9/19 (47%)	153
2013	31/86 (36%)	5/22 (23%)	15/27 (56%)	12/29 (41%)	164
2012	18/64 (28%)	11/22 (50%)		6/17 (35%)	103
2011	20/61 (33%)	6/17 (35%)		5/6 (83%)	84
2010	16/51 (31%)	5/16 (31%)		6/9 (67%)	76

Number of Attendees (since 2010)

Year	Number of Attendees
2015	>159 (*)
2014	126
2013	155
2012	125
2011	95
2010	77

(*) As of the early registration date (April 6), MSR 2015 will have at least 159 attendees