

Harrisen Scells

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Education

- 2015 Bachelor of Information Technology
Queensland University of Technology
- 2016 Bachelor of Information Technology (Hons)
Investigating Methods Of Annotating Lifelogs For Use In Search
Queensland University of Technology
- 2017-2020 PhD Candidate
Improving Systematic Review Creation with Information Retrieval
The University of Queensland

Grants, Honours & Awards

- 2014 Dean's List Award - Semester 1 - Science and Engineering
- 2016 Information Systems School Honours Scholarship
- 2016 NTCIR Student Travel Grant for the NTCIR-12 conference in Tokyo, Japan
- 2017-2020 CSIRO Top Up Scholarship
- 2017-2019 QUT Excellence Top Up Scholarship
- 2019-2020 UQ Top Up Scholarship
- 2017-2020 Research Training Program Stipend
- 2017 ACM SIGIR 2017 Student Travel Grant for the SIGIR'17 conference in Tokyo, Japan
- 2018 ACM SIGIR 2018 Student Travel Grant for the SIGIR'18 conference in Ann Arbor, USA
- 2019 TheWebConf 2019 Student Travel Grant for the WWW'19 conference in San Francisco, USA
- 2020 TheWebConf 2020 Student Travel Grant for the WWW'20 conference in Taipei, Taiwan
- 2020 ECIR 2020 Student Travel Grant for the ECIR'20 conference in Lisbon, Portugal

Selected Publications

- 2017 Harrisen Scells, Guido Zuccon, Bevan Koopman, Anthony Deacon, Shlomo Geva, and Leif Azzopardi. A Test Collection for Evaluating Retrieval of Studies for Inclusion in Systematic Reviews. In *Proceedings of the 40th annual international ACM SIGIR conference on Research and development in Information Retrieval*. 2017, pp. 1237–1240

Harrisen Scells, Guido Zuccon, Anthony Deacon, and Bevan Koopman. QUT ielab at CLEF eHealth 2017 technology assisted reviews track: Initial experiments with learning to rank. In *Working Notes of CLEF 2017 - Conference and Labs of the Evaluation forum*. CEUR Workshop Proceedings. 2017

Harrisen Scells, Guido Zuccon, Bevan Koopman, Anthony Deacon, Leif Azzopardi, and Shlomo Geva. Integrating the Framing of Clinical Questions via PICO into the Retrieval of Medical Literature for Systematic Reviews. In *Proceedings of the 26th ACM International Conference on Information and Knowledge Management*. 2017, pp. 2291–2294

Harrisen Scells. Reducing Workload of Systematic Review Searching and Screening Processes. In *Seventh BCS-IRSG Symposium on Future Directions in Information Access 7*. 2017, pp. 1–4

- 2018 Harrisen Scells and Guido Zuccon. Generating Better Queries for Systematic Reviews. In *The 41st International ACM SIGIR Conference on Research and Development in Information Retrieval*. 2018, pp. 475–484
- Harrisen Scells, Leif Azzopardi, Guido Zuccon, and Bevan Koopman. Query Variation Performance Prediction for Systematic Reviews. In *The 41st International ACM SIGIR Conference on Research and Development in Information Retrieval*. 2018, pp. 1089–1092
- Harrisen Scells, Dan Locke, and Guido Zuccon. An Information Retrieval Experiment Framework for Domain Specific Applications. In *The 41st International ACM SIGIR Conference on Research and Development in Information Retrieval*. 2018, pp. 1281–1284
- Harrisen Scells and Guido Zuccon. searchrefiner: A Query Visualisation and Understanding Tool for Systematic Reviews. In *Proceedings of the 27th ACM International Conference on Information and Knowledge Management*. 2018, pp. 1939–1942
- 2019 Harrisen Scells, Guido Zuccon, and Bevan Koopman. Automatic Boolean Query Refinement for Systematic Review Literature Search. In *Proceedings of the 30th International Conference on World Wide Web*. 2019, pp. 1646–1656
- Harrisen Scells, Guido Zuccon, Bevan Koopman, and Justin Clark. Visualising Systematic Review Search Strategies to Assist Information Specialists. In *Abstracts of the 26th Cochrane Colloquium*. 2019
- Harrisen Scells, Guido Zuccon, Bevan Koopman, and Justin Clark. Automatic Search Strategy Re-formulation Interface for Systematic Reviews. In *Abstracts of the 26th Cochrane Colloquium*. 2019
- 2020 Harrisen Scells, Guido Zuccon, and Bevan Koopman. You Can Teach an Old Dog New Tricks: Rank Fusion Applied to Coordination Level Matching for Ranking in Systematic Reviews. In *42nd European Conference on IR Research, ECIR 2020*. 2020
- Harrisen Scells, Guido Zuccon, and Bevan Koopman. A Computational Approach for Objectively Derived Systematic Review Search Strategies. In *Proceedings of the 42nd European Conference on Information Retrieval*. 2020
- Harrisen Scells, Guido Zuccon, Bevan Koopman, and Justin Clark. Automatic Boolean Query Formulation for Systematic Review Literature Search. In *Proceedings of the 31st International Conference on World Wide Web*. 2020
- Harrisen Scells, Guido Zuccon, and Bevan Koopman. Sampling Query Variations for Learning to Rank to Improve Automatic Boolean Query Generation in Systematic Reviews. In *Proceedings of the 31st International Conference on World Wide Web*. 2020

For a complete list of my publications, please visit my [Google scholar page](#).

Teaching Experience

- 2015 Queensland University of Technology
Subjects: CAB201 Programming Principals
- 2016 Queensland University of Technology
Subjects: INB383 AI In Games, CAB398 Capstone, IAB130 Databases
- 2017 Queensland University of Technology
Subjects: IFN509 Data Manipulation, IAB398 & IAB399 Capstone
- 2019 The University of Queensland
Subjects: INFS7410 Information Retrieval

Work Experience

- 2014-2015 **Katanya**
Development of desktop and web applications for a ‘big four’ accounting firm: website reporting tools, website migration system, custom development. Working with a group of colleagues across the world in a distributed team.
Part Time (3 days a week)
Brisbane, Australia
- 2015-2016 **All The Ducks**
Software development for the Blackboard learn platform. Development of in house solutions to solve business problems: build tools, custom plugin development, contributions to Open Source software. Development of new software to manage grades and subjects for LMS (Learning Management Systems).
Part Time (3 days a week)
Brisbane, Australia

References

Dr. Guido Zuccon (PhD Supervisor) — g.zuccon@uq.edu.au
Shane Argo (Former Employer) — shane@alltheducks.com