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Biography

Yuan-Fang Li is a Senior Lecturer in the Faculty of Information Technology, Monash University.

Related Links:

Yuan Fang Li's research homepage

Qualifications

Research output

Predicting reasoner performance on ABox intensive OWL 2 EL ontologies

Pan, J. Z., Bobed, C., Guclu, I., Bobillo, F., Kollingbaum, M., Mena, E. & Li, Y. F., 1 Jan 2018, In : International Journal on Semantic Web and Information Systems. 14, 1, p. 1-30 30 p.

Using knowledge graphs to explain entity co-occurrence in Twitter

Wang, Y., Carman, M. J. & Li, Y. F., 6 Nov 2017, *CIKM'17: Proceedings of the 2017 ACM Conference on Information and Knowledge Management*. Sanderson, M., Fu, A., Sun, J., Culpepper, S., Lo, E., Ho, J., Donato, D., Agrawal, R., Zheng, Y., Castillo, C., Sun, A., Tseng, V. S. & Li, C. (eds.). New York NY USA: Association for Computing Machinery (ACM), p. 2351-2354 4 p.

BioVis Explorer: A visual guide for biological data visualization techniques

Kerren, A., Kucher, K., Li, Y-F. & Schreiber, F., 1 Nov 2017, In : PLoS ONE. 12, 11, p. 1-14 14 p., e0187341.

Extracting permission-based specifications from a sequential Java program

Sadiq, A., Li, Y-F., Ling, S. & Ahmad, I., 12 Jan 2017, *21st International Conference on Engineering of Complex Computer Systems (ICECCS 2016): Dubai, United Arab Emirates, 6-8 November 2016, Proceedings*. Wang, H. & Mokhtari, M. (eds.). Los Alamitos, CA: IEEE Computer Society, p. 215-218 4 p. 7816590

An information-theoretic predictive model for the accuracy of AI agents adapted from psychometrics

Chmait, N., Dowe, D. L., Li, Y-F. & Green, D. G., 2017, *Artificial General Intelligence : 10th International Conference, AGI 2017, Melbourne, VIC, Australia, August 15-18, 2017, Proceedings*. Everitt, T., Potapov, A. & Goertzel, B. (eds.). Cham, Switzerland: Springer-Verlag London Ltd., p. 225-236 12 p. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); vol. 10414).

Analyzing the evolution of ontology versioning using metrics

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ICECCS 2015 preface

Li, Y-F. & Liu, Y., 15 Jan 2016, *20th International Conference on Engineering of Complex Computer Systems (ICECCS 2015): Gold Coast, Australia, 9 - 12 December 2015 [proceedings]*. IEEE, Institute of Electrical and Electronics Engineers, p. viii 1 p. 7384218

Explicit query interpretation and diversification for context-driven concept search across ontologies

Gavankar, C., Li, Y-F. & Ramakrishnan, G., 2016, *The Semantic Web - ISWC 2016: 15th International Semantic Web Conference, Kobe, Japan, October 17-21, 2016, Proceedings, Part I*. Groth, P., Simperl, E., Gray, A., Sabou, M., Krötzsch, M., Lecue, F., Flöck, F. & Gil, Y. (eds.). Cham Switzerland: Springer, p. 271-288 18 p. (Lecture Notes in Computer Science; vol. 9981).

Factors of collective intelligence: How smart are agent collectives?

Chmait, N., Dowe, D. L., Li, Y-F., Green, D. G. & Insa-Cabrera, J., 2016, *ECAI 2016, 22nd European Conference on Artificial Intelligence, 29 August-2 September 2016, The Hague, The Netherlands, Including, Prestigious Applications of Artificial Intelligence (PAIS 2016): Proceedings : Part 1/Part 2*. Kaminka, G. A., Fox, M., Bouquet, P., Hullemeier, E., Dignum, V., Dignum, F. & Harmelen, F. V. (eds.). Netherlands: IOS Press, p. 542-550 9 p. (Frontiers in Artificial Intelligence and Applications; vol. 285).

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Predicting energy consumption of ontology reasoning over mobile devices

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The ubiquitous semantic web: Promises, progress and challenges

Li, Y. F., Pan, J. Z., Krishnaswamy, S., Hauswirth, M. & Nguyen, H. H., 9 Nov 2015, *Web-Based Services: Concepts, Methodologies, Tools, and Applications*. Khosrow-Pour, M. (ed.). Hershey PA, USA: IGI Global, p. 272-289 18 p.

The ubiquitous semantic web: Promises, progress and challenges

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BOWL: augmenting the Semantic Web with beliefs

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Context-driven concept search across web ontologies using keyword queries

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Event and strategy analytics

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FFD-index: An efficient indexing scheme for star subgraph matching on large RDF graphs

Lyu, X., Wang, X., Li, Y. F. & Feng, Z., 2015, *Database Systems for Advanced Applications: DASFAA 2015 International Workshops, SeCoP, BDMS, and Posters Hanoi, Vietnam, April 20-23, 2015 Revised Selected Papers*. Liu, A., Nutanong, S., Ishikawa, Y., Cheema, M. A. & Qian, T. (eds.). Cham Switzerland: Springer-Verlag London Ltd., p. 240-245 6 p. (Lecture Notes in Computer Science ; vol. 9052).

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How long will it take? Accurate prediction of ontology reasoning performance

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An ontology-centric architecture for extensible scientific data management systems

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Enriching concept search across semantic web ontologies

Gavankar, C., Kumar, V., Li, Y. F. & Ramakrishnan, G., 2013, *Proceedings of the ISWC 2013 Posters & Demonstrations Track a track within the 12th International Semantic Web Conference (ISWC 2013): Sydney, Australia, October 23, 2013*. Blomqvist, E. & Groza, T. (eds.). CEUR Workshop Proceedings, p. 93-96 4 p. (CEUR Workshop Proceedings; vol. 1035).

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Integrating software engineering data using semantic web technologies

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PODD: An ontology-driven data repository for collaborative phenomics research

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Enhancing semantic web services with inheritance

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Prizes

Kurzweil Best Paper Prize

Yuan-Fang Li (Recipient), 2017

President's Graduate Fellowship Scholarship

Yuan-Fang Li (Recipient), 2005

Singapore Millennium Foundation Scholarship

Yuan-Fang Li (Recipient), 2004