

Conference Proceedings

- Yiu-Kai Ng & Maria Soledad Pera. *Recommending Social-Interactive Games for Adults with Autism Spectrum Disorders (ASD)*. To appear in: Proceedings of the ACM Conference on Recommender Systems (ACM RecSys). 2018.
- Oghenemaro Anuyah, Jerry Alan Fails, and **Maria Soledad Pera**. *Investigating Query Formulation Assistance for Children*. In Proceedings of IDC '18: Interaction Design and Children, pp. 581-586. 2018.
- Ion Madrazo Azpiazu, Nevena Dragovic, Oghenemaro Anuyah, and **Maria Soledad Pera**. *Looking for the movie Seven or Sven from the movie Frozen?: A multi-perspective strategy for recommending queries for children*. In proceedings of the ACM SIGIR Conference on Human Information Interaction & Retrieval (ACM CHIIR), pp. 92-101. 2018.
- Michael Ekstrand, Mucum Tian, Ion Madrazo Azpiazu, Jennifer Ekstrand, Oghenemaro Anuyah, David McNeill, and **Maria Soledad Pera**. *All The Cool Kids, How Do They Fit In? Popularity and Demographic Biases in Recommender Evaluation and Effectiveness*. In proceedings of the Conference on Fairness, Accountability, and Transparency (FAT), pp. 172-186. 2018.
- **Maria Soledad Pera**, Jerry Alan Fails, Mirko Gelsomini, & Franca Garzotto. *Building Community: Report on KidRec Workshop on Children and Recommender Systems at RecSys 2017*. In ACM Conference on Recommender Systems (ACM RecSys). 2017.
- Deepa Mallela, Dirk Ahlers, and **Maria Soledad Pera**. *Mining Twitter Features for Event Summarization and Rating*. In Proceedings of the International Conference on Web Intelligence, pp. 615-622. 2017.
- Hoda Mehrpouyan, Ion Madrazo Azpiazu & **Maria Soledad Pera**. *Measuring Personality for Automatic Elicitation of Privacy Preferences*. In the IEEE Symposium on Privacy-Aware Computing (IEEE PAC) Conference, pp. 84-95. 2017.
- Nevena Dragovic and **Maria Soledad Pera**. *Exploiting Reviews to Generate Personalized and Justified Recommendations to Guide Users' Selections*. In Proceedings of the 30th International Florida Artificial Intelligence Research Society Conference, pp. 661-664. 2017.
- Jason Hall and **Maria Soledad Pera**. *UBR: A Book Search–Recommender Hybrid*. In Proceedings of the 30th International Florida Artificial Intelligence Research Society Conference, pp. 665-669. 2017.
- Nevena Dragovic, Ion Madrazo, and **Maria Soledad Pera**. *"Is Sven Seven?": A Search Intent Module for Children*. In Proceedings of the 39th International ACM SIGIR conference on Research and Development in Information Retrieval, pp. 885-888. 2016.

- Meher Shaikh, **Maria Soledad Pera**, and Yiu-Kai Ng. *Suggesting Simple and Comprehensive Queries to Elementary-Grade Children*. In Proceedings of the IEEE/WIC/ACM Conference on Web Intelligence (WI'15), pp. 252-259. 2015.
- **Maria Soledad Pera** and Yiu-Kai Ng. *Analyzing Book-Related Features to Recommend Books for Emergent Readers*. In Proceedings of the 26th ACM Conference on Hypertext and Social Media (ACM HT 2015), pp. 221-230. 2015.
- **Maria Soledad Pera** and Yiu-Kai Ng. *Automating Readers' Advisory to Make Book Recommendations for K-12 Readers*. In Proceedings of the ACM Conference on Recommender Systems (ACM RecSys), pp. 9-16. 2014.
- **Maria Soledad Pera** and Yiu-Kai Ng. *How Can We Help Our K-12 Teachers?: Using a Recommender to Make Personalized Book Suggestions*. In Proceedings of the IEEE/WIC/ACM Web Intelligence (WI'14), pp. 335-342. 2014.
- **Maria Soledad Pera** and Angel Luis Garrido. *SOLE-R, a Semantic and Linguistic Approach for Book Recommendations*. In Proceedings of the 14th IEEE International Conference on Advanced Learning Technologies (ICALT), pp. 524-528. 2014.
- Meher Shaikh, **Maria Soledad Pera**, and Yiu-Kai Ng. *A Probabilistic Query Suggestion Approach Without Using Query Logs*. In Proceedings of the IEEE International Conference on Tools with Artificial Intelligence (IEEE ICTAI), pp. 633-639. 2013.
- **Maria Soledad Pera** and Yiu-Kai Ng. *What to Read Next?: Making Personalized Book Recommendations for K-12 Users*. In Proceedings of the ACM Conference on Recommender Systems (ACM RecSys), pp. 113-120. 2013.
- Rani Qumsiyeh, **Maria Soledad Pera**, and Yiu-Kai Ng. *Generating Exact- and Ranked Partially- Matched Answers to Questions in Advertisements*. In Proceedings of the 38th International Conference on Very Large Databases (VLDB 2012), pp. 217-228. 2012.
- **Maria Soledad Pera** and Yiu-Kai Ng. *BReK12: A Book Recommender for K-12 Users*. In Proceedings of the 35th International ACM Conference on Research and Development in Information Retrieval (ACM SIGIR), pp. 1037-1038. 2012.
- **Maria Soledad Pera**, Rani Qumsiyeh, and Yiu-Kai Ng. *A Query-Based Multi-document Sentiment Summarizer*. In Proceedings of the 20th ACM Conference on Information and Knowledge Management (ACM CIKM), pp. 1071-1076. 2011.
- **Maria Soledad Pera** and Yiu-Kai Ng. *A Personalized Recommendation System on Scholarly Publications*. In Proceedings of the 20th ACM Conference on Information and Knowledge Management (ACM CIKM), pp. 2133-2136. 2011.
- **Maria Soledad Pera** and Yiu-Kai Ng. *With a Little Help from My Friends: Generating Personalized Book Recommendations Using Data Extracted from a Social Website*. In Proceedings of the 2011 IEEE/WIC/ACM Joint Conference on Web Intelligent (WI'11), pp. 96- 99. 2011. (This is the submitted version of the IEEE-copyrighted article to be published in Proceedings of IEEE/WIC/ACM WI'11.)
- **Maria Soledad Pera** and Yiu-Kai Ng. *A Community Question-Answering Refinement System*. In Proceedings

of ACM Conference on Hypertext and Hypermedia (ACM HT), pp. 251-260. 2011.

- **Maria Soledad Pera** and Yiu-Kai Ng. *A Performance Evaluation Framework for Library Search Engines*. In Proceedings of the 6th International Conference on Signal-Image Technology & Internet-Based Systems (SITIS 2010), pp. 301-308. 2010.
- **Maria Soledad Pera**, Rani Qumsiyeh, and Yiu-Kai Ng. *An Unsupervised Sentiment Classifier on Summarized or Full Reviews*. In Proceedings of the 11th International Conference on Web Information Systems Engineering (WISE 2010), pp. 142-156. 2010.
- **Maria Soledad Pera**, Nicole Condie, and Yiu-Kai Ng. *Personalized Book Recommendations Created by Using Social Media Data*. In Proceedings of the 1st International Symposium on Web Intelligent Systems & Services (WISS 2010), pp. 390-403. 2010.
- **Maria Soledad Pera** and Yiu-Kai Ng. *Classifying Sentence-Based Summaries of Web Documents*. In Proceedings of the 21st IEEE International Conference on Tools with Artificial Intelligence (ICTAI 2009), pp. 433-440. 2009.
- Nathaniel Gustafson, **Maria Soledad Pera**, and Yiu-Kai Ng. *Nowhere to Hide: Finding Plagiarized Documents Based on Sentence Similarity*. In Proceedings of the 2008 IEEE/WIC/ACM International Conference on Web Intelligence (WI'08), pp. 690-696. 2008.
- **Maria Soledad Pera** and Yiu-Kai Ng. *Identifying Spam Web Pages Based on Content Similarity*. In Proceedings of the 2008 International Conference on Computational Science and Its Applications (ICCSA 2008), pp. 204-219. 2008.
- Nathaniel Gustafson, **Maria Soledad Pera**, and Yiu-Kai Ng. *Generating Fuzzy Equivalence Classes on RSS News Articles for Retrieving Correlated Information*. In Proceedings of the 2008 International Conference on Computational Science and Its Applications (ICCSA 2008), pp. 232-347. 2008.
- **Maria Soledad Pera** and Yiu-Kai Ng. *Finding Similar RSS News Articles Using Correlation-Based Phrase Matching*. In Proceedings of the Second International Conference on Knowledge Science, Engineering, and Management (KSEM 2007), pp. 336-348. 2007.
- **Maria Soledad Pera** and Yiu-Kai Ng. *Using Word Similarity to Eradicate Junk Emails*. In Proceedings of the ACM Sixteen Conference on Information and Knowledge Management (CIKM 2007), pp. 943-946. 2007.

Journals

- **Maria Soledad Pera** and Yiu-Kai Ng. *Recommending books to be exchanged online in the absence of wish lists*. Journal of the Association for Information Science and technology (JASIST), 69(4): pp. 541-552. 2018.
- Ion Madrazo Azpiazu, Nevena Dragovic, **Maria Soledad Pera**, and Jerry Alan Fails. *Online searching and learning: YUM and other search tools for children and teachers*. Information Retrieval Journal, 20(5): pp. 524-545. 2017.
- **Maria Soledad Pera**, Meher Shaikh and Yiu-Kai Ng. *Using Online Data Sources to Make Query Suggestions for Children*. Web Intelligence Journal, 15(4): pp. 303-323. 2017.
- Joel Denning, **Maria Soledad Pera**, and Yiu-Kai Ng. *A Readability Level Prediction Tool for K-12 books*. Journal of the Association for Information Science and Technology (JASIST), 67(3): pp. 550-565. 2016.
- **Maria Soledad Pera** and Yiu-Kai Ng. *Exploiting the Wisdom of Social Connections to Make Personalized*

Recommendations on Scholarly Articles. Journal of Intelligent Information Systems (JIIS), 42(3): pp. 371-391. 2014.

- **Maria Soledad Pera** and Yiu-Kai Ng. *A Group Recommender for Movies Based on Content Similarity and Popularity*. Journal of Information Processing & Management (IPM), 49(3): pp. 673-687. 2013.
- **Maria Soledad Pera**, Rani Qumsiyeh, and Yiu-Kai Ng. *Web-Based Closed-Domain Data Extraction on Online Advertisements*. Journal of Information Systems, 38(2): pp. 183-197. 2013.
- **Maria Soledad Pera** and Yiu-Kai Ng. *Using Maximal Spanning Trees and Word Similarity to Generate Hierarchical Clusters of Non-Redundant RSS News Articles*. Journal of Intelligent Information Systems (JIIS), 39(2): pp. 513-534. 2012.
- **Maria Soledad Pera** and Yiu-Kai Ng. *SimPaD: A Word-Similarity Sentence-Based Plagiarism Detection Tool on Web Documents*. Web Intelligence and Agent Systems: An International Journal (JWIAS), 9(1): pp. 27-41, 2011. (This is an extended version of the IEEE/WIC/ACM WI'08 paper, Nowhere to Hide: Finding Plagiarized Documents Based on Sentence Similarity, which was selected and invited to be published by JWIAS.)
- **Maria Soledad Pera** and Yiu-Kai Ng. *A Naive Bayes Classifier for Web Document Summaries Created by Using Word Similarity and Significant Factors*. International Journal on Artificial Intelligence Tools (IJAIT), 19(4): pp. 465-486. 2010. (This is an extended version of the ICTAI 2009 paper, Classifying Sentence-Based Summaries of Web Documents, which was selected and extended to be published by IJAIT.)
- **Maria Soledad Pera** and Yiu-Kai Ng. *A Structural, Content-Similarity Measure for Detecting Spam Documents on the Web*. Journal of Web Information Systems (IJWIS), 5(4): pp. 431-464. 2009. (This is an extended version of the ICCSA 2008 paper, Identifying Spam Web Pages Based on Content Similarity, which was selected and invited to be published by IJWIS.)
- **Maria Soledad Pera**, William Lund, and Yiu-Kai Ng. *A Sophisticated Library Search Strategy Using Folksonomies and Similarity Matches*. Journal of the American Society for Information Science and Technology (JASIST), 60(7): pp. 1392-1406. 2009.
- **Maria Soledad Pera** and Yiu-Kai Ng. *Synthesizing Correlated RSS News Articles Based on a Fuzzy Equivalence Relation*. International Journal of Web Information Systems (IJWIS), 5(1), pp. 77-109. 2009. (This is an extended version of the ICCSA 2008 paper, Generating Fuzzy Equivalence Classes on RSS News Articles for Retrieving Correlated Information, which was selected and invited to be published by IJWIS.)
- **Maria Soledad Pera** and Yiu-Kai Ng. *SpamED: A Spam Email Detection Approach Based on Phrase Similarity*. Journal of the American Society for Information Science and Technology (JASIST), 60(2), pp. 393-409. 2009.
- **Maria Soledad Pera** and Yiu-Kai Ng. *Utilizing Phrase-Similarity Measures for Detecting and Clustering Informative RSS News Articles*. Journal of Integrated Computer-Aided Engineering (ICAE), 15(4), pp. 331-350. 2008. (This is an extended version of the KSEM 2007 paper, Finding Similar RSS News Articles Using Correlation-Based Phrase Matching, which was selected and invited to be published by ICAE.)

Peer-reviewed Posters, Symposiums, and Workshops

- **Maria Soledad Pera**, Katherine Wright, and Michael Ekstrand. *Recommending Texts to Children with Expert in the Loop*. In 2nd International Workshop on Children & Recommender Systems, co-located with ACM Interaction Design and Children (IDC) Conference. 2018.
- Ion Madrazo Azpiaz, Guadalupe Guereta, Santiago Diez, Martin Bianculli Martin, Alejandro Gonzalez, Carlos Flury, Franco Ferrari, Mariano Baudena, Guillermo Leale, and **Maria Soledad Pera**. *Comparative analysis on text distance measures applied to Community Question Answering data*. Congreso Nacional de Ingenieria Informatica (CONAIIISI). 2017.
- Michael Ekstrand and **Maria Soledad Pera**. *The Demographics of Cool: Popularity and Recommender Performance for Different Groups of Users*. In Proceedings of the Eleventh ACM Conference on Recommender Systems (ACM RecSys). 2017. Poster.
- Oghenemaro Anuyah, Ion Madrazo Azpiaz, David McNeill, and **Maria Soledad Pera**. *Can Readability Enhance Recommendations on Community Question Answering Sites?*. In Proceedings of the Eleventh ACM Conference on Recommender Systems (ACM RecSys). 2017. Poster.
- Ion Madrazo Azpiaz, and **Maria Soledad Pera**. *Is Readability a Valuable Signal for Hashtag Recommendations?*. In Proceedings of the Tenth ACM Conference on Recommender Systems (ACM RecSys). 2016. Poster.
- Nevena Dragovic, and **Maria Soledad Pera**. *Genre Prediction to Inform the Recommendation Process*. In Proceedings of the Tenth ACM Conference on Recommender Systems (ACM RecSys). 2016. Poster.
- Stacey Donohue, Nevena Dragovic, and **Maria Soledad Pera**. *Anything Fun Going On?: A Simple Wizard to Avoid the Cold-Start Problem for Event Recommenders*. In Proceedings of the Workshop on Recommender Systems on Tourism (RecTour) at ACM RecSys 16, pp. 47-48. 2016.
- Sean MacLachlan, Nevena Dragovic, Stacey Donohue, **Maria Soledad Pera**. *One Size Doesn't Fit All: Helping Users Find Events from Multiple Perspectives*. In Proceedings of the Workshop on Recommender Systems on Tourism (RecTour) at ACM RecSys, pp. 49-50. 2016.
- Ion Madrazo Azpiaz, Nevena Dragovic, and **Maria Soledad Pera**. *Finding, Understanding and Learning: Making Information Discovery Tasks Useful for Children and Teachers*. In Proceedings of ACM SIGIR Workshop on Search as Learning. 2016.
- **Maria Soledad Pera** and Yiu-Kai Ng. *A Recommendation-Based Book-Exchange System Without Using Wish Lists*. In Proceedings of the 9th ACM Conference on Recommender Systems (ACM RecSys). 2015. Poster.
- Nevena Dragovic and **Maria Soledad Pera**. *Exploiting Reviews to Guide Users' Selections*. In Proceedings of the 9th ACM Conference on Recommender Systems (ACM RecSys). 2015. Poster.
- Shahrzad Karimi and **Maria Soledad Pera**. *Recommendations to enhance Children Web Searches*. In Proceedings of the 9th ACM Conference on Recommender Systems (ACM RecSys). 2015. Poster.

- **Maria Soledad Pera** and Yiu-Kai Ng, *Assisting Emergent Readers in Finding Books to Read*. In Proceedings of the ACM Conference on Recommender Systems (ACM RecSys). 2014. Poster.
- **Maria Soledad Pera** and Yiu-Kai Ng. *Personalized Recommendations on Books for K-12 Readers*. In Proceedings of the ACM BooksOnline'12 Workshop, pp. 11-12. 2012.
- **Maria Soledad Pera**, Rani Qumsiyeh, Meher Mujahed, and Yiu-Kai Ng. *Retrieving Good, Better, and Best Answers to Questions in Advertisements*. In Proceedings of the 11th ACM International Workshop on Web Information and Data Management (WIDM), pp. 3-6. 2009.

Non-Peer Reviewed Publications

- Jerry Alan Fails, Natalia Kucirkova, **Maria Soledad Pera**, Franca Garzotto. *International and Interdisciplinary Perspectives on Children & Recommender Systems (KidRec)*. In Proceedings of IDC '18: Interaction Design and Children. 2018.
- Ion Madrazo Azpiazu, Nevena Dragovic, Oghenemaro Anuyah, and **Maria Soledad Pera**. *Dataset for Looking for the Movie Seven or Sven from the Movie Frozen? A Multi-perspective Strategy for Recommending Queries for Children*. Computer Science Faculty Scripts and Data. 5. https://scholarworks.boisestate.edu/cs_scripts/5. 2018.
- William Bigirimana and **Maria Soledad Pera**. *Information Retrieval Tools for Children*. Pacific Northwest LSAMP Alliance and the Society for Hispanic Professional Engineers (SHPE) Joint Conference. Poster Presentation. 2018.
- Oghenemaro Anuyah and **Maria Soledad Pera**. *Extending Safe Search Functionality for Identifying Child-Safe Web Resources*. CRA-URMD Conference. Poster Presentation. 2018.
- Michael Ekstrand, Mucun Tian, Ion Madrazo Azpiazu, Jennifer Ekstrand, Oghenemaro Anuyah, David McNeill, and **Maria Soledad Pera**. *Scripts for All The Cool Kids, How Do They Fit In?*. Computer Science Faculty Scripts and Data. 4. https://scholarworks.boisestate.edu/cs_scripts/4. 2017.
- Jerry Alan Fails, **Maria Soledad Pera**, Franca Garzotto, and Mirko Gelsomini. *KidRec: Children & Recommender Systems: Workshop Co-located with ACM Conference on Recommender Systems (RecSys 2017)*. In Proceedings of the Eleventh ACM Conference on Recommender Systems, pp. 376-377. 2017.
- Oghenemaro Anuyah and **Maria Soledad Pera**. *Suitability of Online Resources Retrieved in Response to Queries Written by Children*. Grace Hopper Conference. Poster Presentation. 2017.
- Daniel Bakyono and Maria Soledad Pera. *Information Retrieval and the Community*. Idaho Conference on Undergraduate Research (ICUR). Poster Presentation. 2017.
- Oghenemaro Anuyah and **Maria Soledad Pera**. *Considering Content and Suitability of Online Resources Retrieved in Response to Children's Queries*. CRA-W Grad Cohort Workshop. Poster Presentation. 2017.

Currently Under Review

- Ion Madrazo Azpiazu and **Maria Soledad Pera**. *Is Multilingual Readability Assessment Possible? An Analytical study of advantages and disadvantages over six different languages*. Computational Linguistics. Submitted on May 2018.
- Nevena Dragovic and **Maria Soledad Pera**. When the System Becomes Your Personal Docent: Curated Book Recommendations. Submitted to ACM Conference on Recommender Systems. Submitted on May 2018.
- Angel Luis Garrido, **Maria Soledad Pera**, and Carlos Bobed. *Linked Data in a Hybrid Recommender System for Journalists*. User Modeling and User-Adapted Interaction Journal (UMUI). Submitted December 2017.