Abstract

The Text REtrieval Conferences (TRECs) are a series of workshops that encourage research in information retrieval from realistic applications by providing large test collections, uniform scoring procedures, and a forum for organizations interested in comparing results. This paper describes the overview of Text Retrieval conferences (TRECs) from 1992 (TREC-1) to 2014 (TREC-23). The goals the judging procedure of TREC are mentioned for understanding the importance & compounds involved in text retrieval in real time applications. A brief comparative report about the methods, number of tracks and the outcomes are presented in this paper so that researchers working or want to work under this domain get an up to date view regarding Text retrieval process and applications.

References

1. Harman D., The Text REtrieval Conference (TREC) National Institute of Standards and

3. The Second Text Retrieval Conference (TREC-2). National Institute of Standards and Technology Special Publication 500-215, Gaithersburg, Md. 20899. Also a special issue of Information Processing and Management, 31(3) in press.

4. Overview of the Third Text Retrieval Conference (TREC-3). National Institute of Standards and Technology Special Publication 500-215, Gaithersburg, Md. 20899.


18. Iadh Ounis, Craig Macdonald, University of Glasgow, UK {ounis, craigm}@dcs.gla.ac.uk and Ian Soboroff NIST, Gaithersburg, MD, USA ian.soboroff@nist.gov Overview of the TREC-2008 Blog Track.

19. Craig Macdonald, Iadh Ounis {craigm, ounis}@dcs.gla.ac.uk,, Ian Soboroff University of Glasgow, Glasgow, UK, Overview of the TREC-2009 Blog Track.

20. Iadh Ounis, Craig Macdonald, University of Glasgow, UK {earth, ounis,
craigm}@dcs.gla.ac.uk and Ian Soboroff NIST, Gaithersburg, MD, USA ian.soboroff@nist.gov

Overview of the TREC-2010 Blog Track

21. Chris Buckley, Sabir Research, Stephen Robertson, Microsoft, Relevance Feedback Track Overview: TREC-2008

22. Krisztian Balog ISLA, University of Amsterdamk.balog@uva.nl, Paul Thomas CSIRO, Australiapaul.thomas@csiro.au, Nick Craswell MSR Cambridge, UK nickcr@microsoft.com, Ian Soboro NIST, USAian.soboroff@nist.gov, Peter Bailey Microsoft, USApbailey@microsoft.com, Arjen P. de Vries CWI, The Netherlands arjen@acm.org, Overview of the TREC 2 008 Enterprise Track.

23. Douglas W. Oared, oard@umd.eduCollege of Information Studies and Institute for Advanced Computer Studies, University of Maryland, College Park, MD 20742, USA, Bruce Hedin, bhedin@h5.comH5, 71 Stevenson St., San Francisco, CA 94105, USA, Stephen Tomlinson, stamlins@opentext.comOpen Text Corporation, Ottawa, Ontario, Canada, Jason R. Baron, jason.baron@nara.gov National Archives and Records Administration, Office of the General Counsel, Suite 3110, College Park, MD 20740, USA, Overview of the TREC-2008 Legal Track.

24. Bruce Hedin, bhedin@h5.com H5, 71 Stevenson St., San Francisco, CA 94105, USA, Stephen Tomlinson, stamlins@opentext.com Open Text Corporation, Ottawa, Ontario, Canada., Jason R. Baron, Jason.baron@nara.gov, National Archives and Records Administration, Office of the General Counsel, Suite 3110, College Park, MD 20740, USA., Douglas W. Oared, oard@umd.edu, College of Information Studies and Institute for Advanced Computer Studies, University of Maryland, College Park, MD20742, USA, Overview of the TREC-2009 Legal Track

25. Gordon V. Cormark, gvcormac@plg.uwaterloo.ca, University of Waterloo, Ontario N2L 3G1, Canada, Maura R. Grossman, mrgrossman@wlrk.com, Wachtell, Lipton, Rosen & Katz, 51 West 52nd Street, New York, NY 10019, USA, Bruce Hedin, bhedin@h5.com H5, 71 Stevenson St., San Francisco, CA 94105, USA, Douglas W. Oared, oard@umd.edu, College of Information Studies and Institute for Advanced Computer Studies, University of Maryland, College Park, MD20742, USA, Overview of the TREC-2010 Legal Track.

26. Maura R. Grossman, Wachtell, Lipton, Rosen & Katz, New York, NY (USA) Gordon V. Cormack, University of Waterloo, Waterloo, ON (Canada), Bruce Hedin, H5, San Francisco, CA (USA),Douglas W. Oared, University of Maryland, College Park, MD (USA), Overview of the TREC 2011 Legal Track.

27. James Allan, Javed A. Aslam Ben Carterette, Virgil Pavlu, Evangelos Kanoulas, Department of Computer Science, University of Massachusetts Amherst, Amherst, Massachusetts, College of Computer and Information Science, Northeastern University, Boston, Massachusetts, Department of Computer and Information Sciences,University of Delaware, Newark, Delaware,Million Query Track 2008 Overview.


29. Mihai Lupu, Florinapioi, Xiangji (Jimmy) Huang, Jianhan Zhu, John Tait, Information Retrieval Facility (IRF), Vienna, Austria; Information Retrieval Lab, York University, Toronto, Canada; Department of Computer Science, University College London, London, UK; {m. Lupu, f. Peru, john.tait}@ir-facility.org,, jhuang@yorku.ca, jianhan.zhu@ucl.ac.uk Overview of the TREC-2009 Chemical IR

2010: Notebook report.

31. Mihai Lupu, Vienna University of Technology, Vienna, Austria, Zhao Jiashu, Jimmy Huang, Information Retrieval Lab, York University, Toronto, Canada, Harsha Gurulingappa, Juliane Fluck, Marc Zimmermann, Fraunhofer SCAI, St. Augustin, Germany, Igor Filippov National Institutes of Health, USA, John Tait, johtait.net Ltd, UK, Overview of TREC 2011 Chemical IR Track.

32. Krisztian Balog, ISLA, University of Amsterdam, k.balog@uva.nl, Arjen P. de Vries, CWI, The Netherlands, Pavel Serdyukov, TU Delft, The Netherlands, p.serdyukov@tudelft.nl, Paul Thomas, CSIRO, Australia, paul.thomas@csiro.au, Thijs Westerveld, Teezir, Utrecht, The Netherlands, thijs.westerveld@teezir.com, Overview of the TREC-2009 Entity Track.

33. Krisztian Balog, ISLA, University of Amsterdam, k.balog@uva.nl, Pavel Serdyukov, TU Delft, The Netherlands, p.serdyukov@tudelft.nl, Arjen P. de Vries, CWI, The Netherlands, arjen@acm.org, Overview of the TREC-2010 Entity Track.

34. Charles L. A. Clarke, University of Waterloo, Nick Craswell, Microsoft, Ian Soboroff, NIST, Overview of the TREC 2009 Web Track.

35. Nick Craswell, Dennis Fetterly, Marc Najorak, Microsoft, Microsoft Research at TREC 2010 Web Track.

36. Charles L. A. Clarke, University of Waterloo, Nick Craswell, Microsoft, Ian Soboroff, NIST, Ellen M. Voorhees, NIST, Overview of the TREC 2011 Web Track.

37. Charles L. A. Clarke, University of Waterloo, Nick Craswell, Microsoft, Ellen M. Voorhees, NIST, Overview of the TREC 2012 Web Track.

38. Kevyn Collins-Thompson, University of Michigan, Paul Bennett, Fernando Diaz, Microsoft Research, Charles L. A. Clarke, University of Waterloo, Ellen M. Voorhees, NIST, TREC 2013 Web Track Overview.

39. Evangelos Konoulas, Ben Cartette, Paul Clough, Mark Sanderson, Overview of the TREC 2010 Session Track.

40. Evangelos Kanoulas, Ben Carterette, Mark Hallz, Paul Clough, Paul Sanderson, Overview of the TREC 2011 Session Track.

41. Evangelos Kanoulas, Ben Carterette, Mark Hallz, Paul Clough, Mark Sanderson, Overview of the TREC 2012 Session Track.

42. Ben Carterette, Evangelos Kanoulas, Mark Hallz, Ashraf Bah, and Paul Clough, Overview of the TREC 2013 Session Track.

43. Ben Carterette, Evangelos Kanoulas, Mark Hallz, Ashraf Bah, and Paul Clough, Overview of the TREC 2014 Session Track.

44. Iadh Ounis, Craig Macdonald, University of Glasgow, Glasgow, UK, Jimmy Lin, Twitter, San Francisco, CA, USA,424 University of Maryland, College Park, MD, USA, Ian Soboroff, NIST, Gaithersburg, MD, USA, first.lastname@glasgow.ac.uk, jimmylin@umd.edu, ian.soboroff@nist.gov, Overview of the TREC-2011 Microblog Track.

45. Ian Soboroff, NIST, Gaithersburg, MD, USA, Iadh Ounis and Craig Macdonald, University of Glasgow, Glasgow, UK, Jimmy Lin, Twitter, San Francisco, CA, USA, and University of Maryland, College Park, MD, USA, an.soboroff@nist.gov, iadh.ounis@glasgow.ac.uk, craig.macdonald@glasgow.ac.uk, jimmylin@umd.edu, Overview of the TREC2012 Microblog Track.

46. Jimmy Lin, Yulu Wang, University of Maryland, College Park, Miles Efron, and Garrick Sherman, University of Illinois, Urbana-Champaign, jimmlylin@umd.edu, mefron@illinois.edu,
ylwang@cs.umd.edu, gsherma2@illinois.edu Overview of the TREC-2014 Microblog Track
47. Adriel Dean-Hall University of Waterloo, Charles L. A. Clarke University of Waterloo, Jaap Kamps University of Amsterdam, Paul Thomas CSIRO, Ellen Voorhees NIST, Overview of the TREC 2012 Contextual Suggestion Track.
48. Adriel Dean-Hall University of Waterloo, Charles L. A. Clarke University of Waterloo, Jaap Kamps University of Amsterdam, Paul Thomas CSIRO, Nicole Simone University of Waterloo, Ellen Voorhees NIST, Overview of the TREC 2013 Contextual Suggestion Track.
49. Adriel Dean-Hall, Charles L. A. Clarke University of Waterloo, Paul Thomas CSIRO, Ellen Voorhees NIST Jaap Kamps, University of Amsterdam Overview of the TREC 2014 Contextual Suggestion Track.
50. Mark D. Smucker, Department of Management Sciences, University of Waterloo, Gabriella Kazai, Microsoft Research, Cambridge, UK and Matthew Lease School of Information, University of Texas at Austin, Overview of the TREC 2012 Crowdsourcing Track.
51. Mark D. Smucker Department of Management Sciences, University of Waterloo, Gabriella Kazai Microsoft Research, Cambridge, UK, and Matthew Lease School of Information,University of Texas at Austin, Overview of the TREC 2013 Crowdsourcing Track.
52. John R. Frank, Max Kleiman-Weiner and Daniel A. Roberts, KBA Organizers, Massachusetts Institute of Technology, jrf@mit.edu ,Feng Niu, Ce Zhang, Christopher Ré, University of Wisconsin-Madison, Ian Soboroff, National Institute of Standards and Technology Gaithersburg, MD ian.soboroff@nist.gov, Building an Entity-Centric Stream Filtering Test Collection for TREC 2012.
53. John R. Frank, Steven J. Bauer,Max Kleiman-Weiner, Daniel A. Roberts and Nilesh Tripuraneni KBA Organizers, Massachusetts Institute of Technology, jrf@mit.edu ,Ce Zhang and Christopher Ré Stanford University and University of Wisconsin, Ellen Voorhees and Ian Soboroff National Institute of Standards and Technology Gaithersburg, MD ian.soboroff@nist.gov Evaluating Stream Filtering for Entity Profile Updates for TREC 2013 (KBA Track Overview).
54. John R. Frank, Steven J. Bauer,Max Kleiman-Weiner, Daniel A. Roberts and Nilesh Tripuraneni KBA Organizers, Massachusetts Institute of Technology, jrf@mit.edu ,Ce Zhang and Christopher Ré Stanford University and University of Wisconsin, Ellen Voorhees and Ian Soboroff National Institute of Standards and Technology Gaithersburg, MD ian.soboroff@nist.gov Evaluating Stream Filtering for Entity Profile Updates in TREC 2012, 2013, and 2014 (KBA Track Overview, Notebook Paper)
55. Ellen M. Voorhees, National Institute of Standards and Technology, William Hersh Oregon Health & Science University, Overview of the TREC 2012 Medical Records Track.
56. Thomas Demeester Ghent University - iMinds, Belgium , Dolf Trieschnigg, Dong Nguyen and Djoerd Hiemstra University of Twente, The Netherlands, tdmeeste@intec.ugent.be ,{d.trieschnigg, d. Nguyen, d.hiemstra}@utwente.nl Overview of the TREC 2013 Federated Web Search Track.
57. Thomas Demeester Ghent University - iMinds, Belgium , Dolf Trieschnigg, Dong Nguyen and Djoerd Hiemstra University of Twente, The Netherlands, tdmeeste@intec.ugent.be ,{d.trieschnigg, d. Nguyen, d.hiemstra}@utwente.nl Overview of the TREC 2014 Federated Web Search Track.
59. Javed Aslam, Fernando Diaz Matthew, Ekstrand-Abueg, Virgi Pavlu and Tetsuya Sakai
TREC 2014 Temporal Summarization.

60. Matthew S. Simpson Lister Hill National Center for Biomedical Communications, U.S. National Library of Medicine, National Institutes of Health, Bethesda, MD, Ellen M. Voorhees, National Institute of Standards and Technology, Gaithersburg, MD, and William Hersh, Department of Medical Informatics and Clinical Epidemiology, Oregon Health & Science University, Portland, Overview of the TREC 2014 Clinical Decision Support Track


Index Terms

Computer Science

Information Sciences

Keywords

TRECs (Text REtrieval Conferences).