Summary: Paper List for Comprehensive test

What is the multi-party dialog? Why it is interesting?

1. Branigan, Holly. "Perspectives on multi-party dialogue." *Research on Language and Computation* 4.2-3 (2006): 153-177. [[pdf](http://download.springer.com/static/pdf/307/art%253A10.1007%252Fs11168-006-9002-2.pdf?auth66=1394761397_db5aef114c8f82be2a612139db9d529b&ext=.pdf)]
2. Kronlid, Fredrik. "Steps towards multi-party dialogue management." (2008). [[pdf](https://gupea.ub.gu.se/bitstream/2077/17246/3/gupea_2077_17246_3.pdf)]
3. Traum, David. "Issues in multiparty dialogues." *Advances in agent communication* (2004): 201-211. [[pdf](http://f3.tiera.ru/2/Cs_Computer%20science/CsLn_Lecture%20notes/Advances%20in%20Agent%20Communication,%20on%20Agent%20Communication%20Languages,%20ACL%202003(LNCS2922,%20Springer,%202004)(ISBN%203540207694)(412s).pdf#page=211)]
4. Ishizaki, Masato, and Tsuneaki Kato. "Exploring the characteristics of multi-party dialogues." *Proceedings of the 36th Annual Meeting of the Association for Computational Linguistics and 17th International Conference on Computational Linguistics-Volume 1*. Association for Computational Linguistics, 1998. [[pdf](http://acl.ldc.upenn.edu/C/C98/C98-1092.pdf)]
5. Malouf, Robert. "Towards an analysis of multi-party discourse." *Retrieved January* 14 (1995). [[pdf](http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.8.4024&rep=rep1&type=pdf)]
6. Traum, David R. "Ideas on multi-layer dialogue management for multi-party, multi-conversation, multi-modal communication." *Language and Computers* 45 (2002): 1-7. [[pdf](http://www.dtic.mil/dtic/tr/fulltext/u2/a459156.pdf)]
7. Huget, Marc-Philippe, and Yves Demazeau. "First steps towards multi-party communication." *Agent Communication* (2005): 65-75. [[pdf](http://f3.tiera.ru/2/Cs_Computer%20science/CsLn_Lecture%20notes/A/Agent%20Communication%201%20conf.,%20AC%202004(LNCS3396,%20Springer,%202005)(ISBN%203540250158)(268s).pdf#page=73)]
8. Knott, Alistair, and Peter Vlugter. "Multi-agent human–machine dialogue: issues in dialogue management and referring expression semantics." *Artificial Intelligence* 172.2 (2008): 69-102. [[pdf](http://ac.els-cdn.com/S0004370207001087/1-s2.0-S0004370207001087-main.pdf?_tid=f9e74272-a98a-11e3-97d9-00000aacb35d&acdnat=1394590191_f85c1b7b5f85ce3bf1cca5d134de6950)]

Challenges of multi-party dialog? (Why it is hard?)

1. Müller, Christoph. "**Resolving it**, this, and that in unrestricted multi-party dialog." (2007), ACL, pages 816-823. [[pdf](http://www.h-its.org/english/research/nlp/download/mueller_acl07.pdf)]
2. Gupta, Surabhi, et al. "**Resolving “you**” in multiparty dialog." *Proceedings of the 8th SIGdial Workshop on Discourse and Dialogue*. 2007. [[pdf](http://www.eecs.qmul.ac.uk/~mpurver/papers/gupta-et-al07sigdial.pdf)]
3. Gupta, Surabhi, Matthew Purver, and Dan Jurafsky. "**Disambiguating** between generic and referential **you** in dialog." *Proceedings of the 45th Annual Meeting of the ACL on Interactive Poster and Demonstration Sessions*. Association for Computational Linguistics, 2007.[[pdf](http://acl.ldc.upenn.edu/P/P07/P07-2027.pdf)]
4. Frampton, Matthew, et al. "**Who is you**?: combining linguistic and gaze features to resolve second-person references in dialogue." *Proceedings of the 12th Conference of the European Chapter of the Association for Computational Linguistics*. Association for Computational Linguistics, 2009. [[pdf](http://s3.amazonaws.com/academia.edu.documents/30918300/E09-1.pdf?AWSAccessKeyId=AKIAJ56TQJRTWSMTNPEA&Expires=1394593384&Signature=TJOvdnctaJbQC8UIjlqfy8%2BJ1jQ%3D&response-content-disposition=inline#page=291)]
5. Jovanovic, Natasa, and Rieks op den Akker. "Towards automatic **addressee identification** in multi-party dialogues." *Proc of the 5th SIGDial*. 2004. [[pdf](http://acl.ldc.upenn.edu/hlt-naacl2004/sigdial04/pdf/jovanovic.pdf)]
6. Clark, Alexander, and Andrei Popescu-Belis. "Multi-level **dialogue act** tags."*Proc. SIGdial*. 2004. [[pdf](http://acl.ldc.upenn.edu/hlt-naacl2004/sigdial04/pdf/clark.pdf)]
7. Purver, Matthew, et al. "**Detecting** and summarizing **action items** in multi-party dialogue," *Proceedings of the 8th SIGdial Workshop on Discourse and Dialogue*. 2007. [[pdf](http://sigdial.org/workshops/workshop8/Proceedings/SIGdial04.pdf)
8. Matthew, Patrick Ehlen, and John Niekrasz. "**Detecting** **action items** in multi-party meetings: Annotation and initial experiments." *Machine Learning for Multimodal Interaction* (2006): 200-211. [[pdf](http://www.eecs.qmul.ac.uk/~mpurver/papers/purver-et-al06mlmi.pdf)]
9. Kolář, J., Elizabeth Shriberg, and Yang Liu. "On speaker-specific prosodic models for automatic **dialog act segmentation** of multi-party meetings."*Interspeech*. Vol. 1. 2006.[[pdf](http://www.kky.zcu.cz/en/publications/1/KolarJ_2006_Onspeaker-specific.pdf)]
10. Ang, Jeremy, Yang Liu, and Elizabeth Shriberg. "Automatic **dialog act segmentation** and classification in multiparty meetings." *Proc. ICASSP*. Vol. 1. 2005. [[pdf](ftp://togo.icsi.berkeley.edu/global/pub/speech/papers/icassp2005-da-seg-class.pdf)]
11. Jurafsky, Daniel, et al. "Lexical, prosodic, and syntactic cues for **dialog acts**."*Proceedings of ACL/COLING-98 Workshop on Discourse Relations and Discourse Markers*. 1998. [[pdf](http://acl.ldc.upenn.edu/W/W98/W98-0319.pdf?origin=publication_detail)]
12. Bui, Trung H., et al. "**Extracting** **decisions** from multi-party dialogue using directed graphical models and semantic similarity." *Proceedings of the SIGDIAL 2009 Conference: The 10th Annual Meeting of the Special Interest Group on Discourse and Dialogue*. Association for Computational Linguistics, 2009. [[pdf](http://www.researchgate.net/publication/220794412_Extracting_Decisions_from_Multi-Party_Dialogue_Using_Directed_Graphical_Models_and_Semantic_Similarity/file/9fcfd510be754aabf8.pdf)]
13. Frampton, Matthew, et al. "Real-time **decision detection** in multi-party dialogue." *Proceedings of the 2009 Conference on Empirical Methods in Natural Language Processing: Volume 3-Volume 3*. Association for Computational Linguistics, 2009. [[pdf](http://wmmks.csie.ncku.edu.tw/ACL-IJCNLP-2009/EMNLP/pdf/EMNLP118.pdf)]
14. Shriberg, Elizabeth, Andreas Stolcke, and Don Baron. "Can **Prosody** Aid the Automatic Processing of Multi-Party Meetings? Evidence from Predicting Punctuation, Dis uencies, and Overlapping Speech." *ISCA Tutorial and Research Workshop (ITRW) on Prosody in Speech Recognition and Understanding*. 2001. [[pdf](http://ftp.icsi.berkeley.edu/ftp/global/pub/speech/papers/prosody2001-meetings.pdf)]
15. Kolář, Jáchym, Elizabeth Shriberg, and Yang Liu. "Using **prosody** for **automatic sentence segmentation** of multi-party meetings." *Text, Speech and Dialogue*. Springer Berlin Heidelberg, 2006. [[pdf](http://www.dtic.mil/dtic/tr/fulltext/u2/a459015.pdf)]
16. Laskowski, Kornel. "Modeling norms of **turn-taking** in multi-party conversation."*Proceedings of the 48th Annual Meeting of the Association for Computational Linguistics*. Association for Computational Linguistics, 2010. [[pdf](http://aclweb.org/anthology/P/P10/P10-1102.pdf)]
17. Laskowski, Kornel, Jens Edlund, and Mattias Heldner. "A single-port non-parametric model of **turn-taking** in multi-party conversation." *Acoustics, Speech and Signal Processing (ICASSP), 2011 IEEE International Conference on*. IEEE, 2011. [[pdf](http://www.speech.kth.se/~heldner/Mattias_Heldners_Home_Page/Publications_files/laskowskiICASSP2011b.pdf)]
18. de Kok, Iwan, and Dirk Heylen. "Multimodal **end-of-turn prediction** in multi-party meetings." *Proceedings of the 2009 international conference on Multimodal interfaces*. ACM, 2009. [[pdf](http://eprints.eemcs.utwente.nl/17022/01/dekok_2009_multimodal.pdf?origin=publication_detail)]
19. Hsueh, Pei-Yun, Johanna D. Moore, and Steve Renals. "Automatic **Segmentation** of Multiparty Dialogue." *EACL*. 2006. [[pdf](http://acl.ldc.upenn.edu/E/E06/E06-1035.pdf)]

Understanding multi-party dialog (What do Human-Human multi-party dialogs look like?)

1. Shriberg, Elizabeth, Andreas Stolcke, and Don Baron. "Observations on **overlap**: findings and implications for automatic processing of multi-party conversation." *INTERSPEECH*. 2001. [[pdf](http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.29.3036&rep=rep1&type=pdf)]
2. Laskowski, Kornel, Mari Ostendorf, and Tanja Schultz. "Modeling **vocal interaction** for text-independent participant characterization in multi-party conversation." *Proceedings of the 9th SIGdial Workshop on Discourse and Dialogue*. Association for Computational Linguistics, 2008. [[pdf](http://aclweb.org/anthology/W/W08/W08-0124.pdf)]
3. Purver, Matthew, et al. "Unsupervised **topic modelling** for multi-party spoken discourse." *Proceedings of the 21st International Conference on Computational Linguistics and the 44th annual meeting of the Association for Computational Linguistics*. Association for Computational Linguistics, 2006. [[pdf](Purver,%20Matthew,%20et%20al.%20%22Unsupervised%20topic%20modelling%20for%20multi-party%20spoken%20discourse.%22%20Proceedings%20of%20the%2021st%20International%20Conference%20on%20Computational%20Linguistics%20and%20the%2044th%20annual%20meeting%20of%20the%20Association%20for%20Computational%20Linguistics.%20Association%20for%20Computational%20Linguistics,%202006.)]
4. Kathol, Andreas, and Gokhan Tur. "Extracting **question/answer pairs** in multi-party meetings." *Acoustics, Speech and Signal Processing, 2008. ICASSP 2008. IEEE International Conference on*. IEEE, 2008. [[pdf](ftp://130.107.33.205/pub/papers/icassp2008-qa-meetings.pdf)]
5. Hung, Hayley, et al. "Estimating **dominance** in multi-party meetings using speaker diarization." *Audio, Speech, and Language Processing, IEEE Transactions on* 19.4 (2011): 847-860. [[pdf](http://publications.idiap.ch/downloads/papers/2010/Hung_IEEETRANS.ASL_2010.pdf)]
6. Bohus, Dan, and Eric Horvitz. "Models for multiparty **engagement** in open-world dialog." *Proceedings of the SIGDIAL 2009 Conference: The 10th Annual Meeting of the Special Interest Group on Discourse and Dialogue*. Association for Computational Linguistics, 2009. [[pdf](http://www.msr-waypoint.com/en-us/um/people/dbohus/docs/engagement_model.pdf)]

Applications of multi-party dialog? (Human-Computer)

1. McBurney, Peter, and Simon Parsons. "Dialogue **games** in multi-agent systems." *Informal Logic* 22.3 (2001). [[pdf](http://hrgpapers.uwindsor.ca/ojs/leddy/index.php/informal_logic/article/download/2592/2033)]

Available Corpora/Systems?

1. Dignum, Frank PM, and Gerard AW Vreeswijk. "Towards a testbed for multi-party dialogues." *Advances in Agent Communication* (2004): 212-230. [[pdf](http://f3.tiera.ru/2/Cs_Computer%20science/CsLn_Lecture%20notes/Advances%20in%20Agent%20Communication,%20on%20Agent%20Communication%20Languages,%20ACL%202003(LNCS2922,%20Springer,%202004)(ISBN%203540207694)(412s).pdf#page=222)]
2. Jovanovic, Natasa, Rieks op den Akker, and Anton Nijholt. "A corpus for studying addressing behaviour in multi-party dialogues." *Language Resources and Evaluation* 40.1 (2006): 5-23. [[pdf](http://www.sigdial.org/workshops/workshop6/proceedings/pdf/16-SigDial-Jovanovic.pdf)]
3. Tür, Gökhan, et al. "The CALO meeting speech recognition and understanding system." *SLT* (2008): 69-72. [[pdf](http://www5.informatik.uni-erlangen.de/Forschung/Publikationen/2008/Tur08-TCM.pdf)]
4. Shaikh, Samira, et al. "MPC: A Multi-Party Chat Corpus for Modeling Social Phenomena in Discourse." *LREC*. 2010. [[pdf](http://hnk.ffzg.hr/bibl/lrec2010/pdf/85_Paper.pdf)]
5. Wardeh, Maya, Trevor Bench-Capon, and Frans Coenen. "Multi-party argument from experience." *Argumentation in Multi-Agent Systems* (2010): 216-235. [[pdf](http://cgi.csc.liv.ac.uk/~frans/PostScriptFiles/ArgMAS09wardeh.pdf)]
6. Prakken, Henry. "On dialogue systems with speech acts, arguments, and counterarguments." *Logics in Artificial Intelligence* (2000): 224-238. [[pdf](http://f3.tiera.ru/2/Cs_Computer%20science/CsLn_Lecture%20notes/Logics%20in%20Artificial%20Intelligence,%20European%20Workshop,%20JELIA%202000%20Malaga(LNCS1919,%20Springer,%202000)(ISBN%203540411313)(431s).pdf#page=241)]

How to evaluate multi-party dialog?

1. Traum, David R., Susan Robinson, and Jens Stephan. "Evaluation of Multi-party Virtual Reality Dialogue Interaction." *LREC*. 2004. [[pdf](http://www.researchgate.net/publication/2951394_Evaluation_of_Multi-Party_Virtual_Reality_Dialogue_Interaction/file/72e7e520bde09c3621.pdf)]
2. Garg, Saurabh, et al. "Evaluation of Transcription and Annotation tools for a Multi-modal, Multi-party dialogue corpus." (2004). [[pdf](http://www.dtic.mil/dtic/tr/fulltext/u2/a459208.pdf)]

Human-Computer multi-party dialog

1. Traum, David, et al. "Multi-party, multi-issue, multi-strategy negotiation for multi-modal virtual agents." *Intelligent Virtual Agents*. Springer Berlin Heidelberg, 2008. [[pdf](http://people.ict.usc.edu/~gratch/papers/traum-iva08.pdf)]
2. Traum, David, and Jeff Rickel. "Embodied agents for multi-party dialogue in immersive virtual worlds." *Proceedings of the first international joint conference on Autonomous agents and multiagent systems: part 2*. ACM, 2002. [[pdf](http://ict.usc.edu/pubs/Embodied%20Agents%20for%20Multi-party%20Dialogue%20in%20Immersive%20%20Virtual%20Worlds.pdf)]
3. Klotz, David, et al. "Engagement-based multi-party dialog with a humanoid robot." *Proceedings of the SIGDIAL 2011 Conference*. Association for Computational Linguistics, 2011. [[pdf](http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.221.8852&rep=rep1&type=pdf#page=361)]
4. Löckelt, Markus, and Norbert Pfleger. "Multi-party interaction with self-contained virtual characters." *Proceedings of the DIALOR workshop on the semantics and pragmatics of dialogue, LORIA, Nancy, France*. 2005. [[pdf](http://dialor05.loria.fr/Papers/21-Loeckelt.pdf)]
5. Foster, Mary Ellen, et al. "Two people walk into a bar: Dynamic multi-party social interaction with a robot agent." *Proceedings of the 14th ACM international conference on Multimodal interaction*. ACM, 2012. [[pdf](http://homepages.inf.ed.ac.uk/amyi/papers/foster-etal-icmi2012.pdf)]

Other:

1. Murray, Gabriel, and Steve Renals. "Term-weighting for **summarization** of multi-party spoken dialogues." *Machine Learning for Multimodal Interaction* (2008): 156-167. [[pdf](https://www.era.lib.ed.ac.uk/bitstream/1842/2137/1/MurrayRenals07.pdf)]
2. Banerjee, Satanjeev, and Alexander I. Rudnicky. "An **extractive-summarization** baseline for the automatic detection of noteworthy utterances in multi-party human-human dialog." *Spoken Language Technology Workshop, 2008. SLT 2008. IEEE*. IEEE, 2008. [[pdf](http://repository.cmu.edu/cgi/viewcontent.cgi?article=2352&context=compsci&sei-redir=1&referer=http%3A%2F%2Fscholar.google.com%2Fscholar%3Fstart%3D20%26q%3Dmulti-party%2Bdialog%26hl%3Den%26as_sdt%3D0%2C39%26scilib%3D1#search=%22multi-party%20dialog%22)]
3. Skantze, Gabriel, and Samer Al Moubayed. "IrisTK: a statechart-based toolkit for multi-party face-to-face interaction." *Proceedings of the 14th ACM international conference on Multimodal interaction*. ACM, 2012. [[pdf](http://www.speech.kth.se/prod/publications/files/3772.pdf)]
4. Saunier, Julien, and Flavien Balbo. "Regulated multi-party communications and **context** **awareness** through the environment." *Multiagent and Grid Systems* 5.1 (2009): 75-91. [[pdf](http://l1.lamsade.dauphine.fr/~balbo/Publication/versionAuteur/MAGS2009.pdf)]