


# Lecture-01 materials

## Agenda:

- Intro: Dimensions of Information Systems
  - Conversational Behavior and Social information
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## Related Material:

 Telephone call mid-afternoon New Year's Day, 1967: Somewhat uncertain female voice: "I have two questions. The first is sort of an etiquette one. I went to a New Year's Eve party and unexpectedly stayed over. I don't really know the hosts. Ought I to send a thank-you note? Second, when you meet a fellow and you know he's worth twenty-seven million dollars because that's what they told me, twenty-seven [m]illion, and you know his nationality, how do you find out his name?" cs 1/2/67

- NPR Story: **[Before The Internet, Librarians Would 'Answer Everything' — And Still Do](http://www.npr.org/2014/12/28/373268931/before-the-internet-librarians-would-answer-everything-and-still-do)** (<http://www.npr.org/2014/12/28/373268931/before-the-internet-librarians-would-answer-everything-and-still-do>)
  - **[Trailer for the movie "Her"](http://www.imdb.com/title/tt1798709/?ref_ext_shr_eml_vi#lb-vi4112492569)** ([http://www.imdb.com/title/tt1798709/?ref\\_ext\\_shr\\_eml\\_vi#lb-vi4112492569](http://www.imdb.com/title/tt1798709/?ref_ext_shr_eml_vi#lb-vi4112492569))
  - **[Google duplex example](https://ai.googleblog.com/2018/05/duplex-ai-system-for-natural-conversation.html)** (<https://ai.googleblog.com/2018/05/duplex-ai-system-for-natural-conversation.html>) and writeup in **[The Verge](https://www.theverge.com/2018/5/8/17332070/google-assistant-makes-phone-call-demo-duplex-io-2018)** (<https://www.theverge.com/2018/5/8/17332070/google-assistant-makes-phone-call-demo-duplex-io-2018>)
  - **[Slides](https://canvas.cornell.edu/courses/62833/files/9821258?wrap=1)** (<https://canvas.cornell.edu/courses/62833/files/9821258?wrap=1>)
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## References:

- Cristian Danescu-Niculescu-Mizil, Lillian Lee, Bo Pang and Jon Kleinberg. **[Echoes of power: Language effects and power differences in social interaction.](http://www.cs.cornell.edu/~cristian/Echoes_of_power.html)** ([http://www.cs.cornell.edu/~cristian/Echoes\\_of\\_power.html](http://www.cs.cornell.edu/~cristian/Echoes_of_power.html)) Proceedings of WWW 2012.
- Cristian Danescu-Niculescu-Mizil, Michael Gamon and Susan Dumais. **[Mark my words! Linguistic style accommodation in social media.](http://www.cs.cornell.edu/~cristian/Mark_my_words%21_Linguistic_style_accommodation_in_social_media.html)** ([http://www.cs.cornell.edu/~cristian/Mark\\_my\\_words%21\\_Linguistic\\_style\\_accommodation\\_in\\_social\\_media.html](http://www.cs.cornell.edu/~cristian/Mark_my_words%21_Linguistic_style_accommodation_in_social_media.html)) Proceedings of WWW, 2011.
- Kate G. Niederhoffer and James W. Pennebaker. **[Linguistic Style Matching in Social Interaction.](http://homepage.psy.utexas.edu/HomePage/Faculty/Pennebaker/Reprints/LingStyles.pdf)** (<http://homepage.psy.utexas.edu/HomePage/Faculty/Pennebaker/Reprints/LingStyles.pdf>) Journal of Language and Social Psychology 2002 21: 337.

- Filip Radlinsky and Nick Craswell. **A Theoretical Framework for Conversational Search** (<https://dl.acm.org/citation.cfm?id=3020183>). Proceedings of CHIIR 2017.