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### Introduction

We How does a speaker let a listener know that he/she is speaking sarcastically?

Secently, researchers have suggested that specific words, collocations and even phrases (e.g., Kreuz & Roberts, 1994; Utsumi, 2000), can act as cues to the listener that the speaker's utterance is meant sarcastically.

Sor example...

Search and the second s Solutions: (e.g., Oh, Um, Uh, Well) Service phrases (Haiman, 1998: e.g., "Don't you just love it when...")

Solution There have also been claims that paralinguistic cues (i.e., gesturing, eye-rolling, smiling) are cues to sarcastic intent (e.g., Kreuz, 1996).

Surthermore, it has been suggested that the relationship of the interlocutors (e.g., Kreuz) & Caucci, 2008) can influence how and how often speakers use sarcasm.

 $\bigcirc$  The purpose of this project was to identify the specific facial and lexical cues used, as well as assess the role of common ground, in the production of natural sarcastic utterances.

## **Participants**

29 pairs (17 friend and 12 stranger) were recruited from the Audiology and Psychology departments at the University of Memphis.

 $\bigcirc$  Participants were told the purpose of the study was to investigate social interaction.

### Procedure

Participants were recorded in a conversational setting in the Social Interaction Lab while engaging in tasks designed to elicit natural sarcasm (see Materials).

Sommon ground was manipulated to determine whether it affects the cues used to signal sarcastic intent.

Solution Naturally produced sarcastic utterances were compared to sincere/literal utterances from the same speaker in the same task. This was done in order to have a baseline for comparisons.

### Materials

 $\bigcirc$  Participants were given three tasks designed to elicit sarcasm in a natural way.

Search Tasks were randomized between sessions and included commenting on badly-dressed celebrities (Hancock, 2004), creating a meal for a person that they hate (Coates, 1991) and discussing bad restaurant experiences (see pictures to the right).





# "'I'M ALWAYS SINCERE": WHAT IS SALIENT IN SARCASM?

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"Prepare a meal for a person you hate" (Coates, 1991).



"Discuss with your partner the fashions you see" (Hancock, 2004).

# **Results (I): Facial Cues**

 $\bigcirc$  Facial gestures were coded using a taxonamy adapted from Louwerse et al. (2007).

Results showed a significant difference in number of smiles, laughs, nods, and looks to partner for sarcastic statements compared to the literal utterances (see below).

#### **DIFFERENCES IN FACIAL CUES FOR SARCASTIC & LITERAL STATEMENTS**

HEAD forward down left tilt right til fast nod slow nod\* left turn right turn EYES brows up brows down asymmetrical rapid blink squinting widening looks away looks to partner MOUTH smile\*\* lip tighten\* laugh



Figure I

Literal

# **Results (2): Lexical Sarcasm**

 $\bigcirc$  Sarcastic and literal utterances were coded for the presence of adjectives, adverbs, adjective-adverb collocations, and pauses.

Segults showed that there were significant differences between the sarcastic and literal utterances for presence of adjectives, adjective-adverb collocations, and pauses (see Table 1).

# **Results (3): Common Ground**

Solution of the second second second second second second in determining how, as well as how often, people speak sarcastically (e.g., Caucci, Kreuz, & Buder 2007).

Solution of the service of the servi utterance. Three of the 12 stranger-pair sessions included at least one sarcastic utterance.

Sommon ground affected the frequency of facial cues used to signal sarcastic intent (see Figure 2).

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\* p < .05, \*\* p < .001

#### Table I

Number of Lexical Items Found in Utterances

Lexical Characteristic	Sarcastic	
Interjections	18	
Adjectives (only)*	28	
Adverbs (only)	8	
Adjective/Adverb collocations*	7	
Pauses*	7	



#### Discussion

Importantly, all sarcastic utterances in our data set were elicited naturally.

The results from the current project suggest that speakers indicate their sarcastic intent with facial as well as lexical cues in spontaneous sarcasm.

 $\bigcirc$  Furthermore, we were able to show that common ground affects the facial cues participants produce to indicate sarcastic intent.

Solution of the second and the second sarcasm.

Solution Future research should attempt to tease apart the individual contributions of these factors to the comprehension of a sarcastic statement.

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