

# LogPrag workshop

synthesis

# Logic and language

A. Where is logic?

B. Why logic?

# A. Where is logic?

- 3 issues
  1. the syntax-semantics interface
  2. the semantics—pragmatics interface
  3. agenda for a pragmatic program

# 1. syntax-semantics interface

1. combinatorial properties
2. logical (meaning) constraints

# 2. semantics-pragmatics interface

a. what are the limits of the domain?

- discourse
- experiments
- modeling

b. what are the ingredient? (properties of NL)

- representational/metarepresentational
- common ground, QUD, contextual assumptions
- pragmatic constraints (conceptual v. procedural meaning)

# 3. Agenda for a pragmatic program

- conversational implicatures (SI and logical words)
- basic implicatures
- higher-order explicatures
  - propositional attitudes
  - illocutionary force

# B. Why logic?

## a. the **semantic** argument

- what are consistent logical interpretations
- what are possible logical combination (negation issue)

## b. the **cognitive** argument

- reasoning
- argumentation

## c. the **pragmatic** argument

- deriving positive cognitive effects
- the interplay between logical properties of lexicon and sentences and the type of meaning they encode