

(1) What is an emotion? Caused by Events!

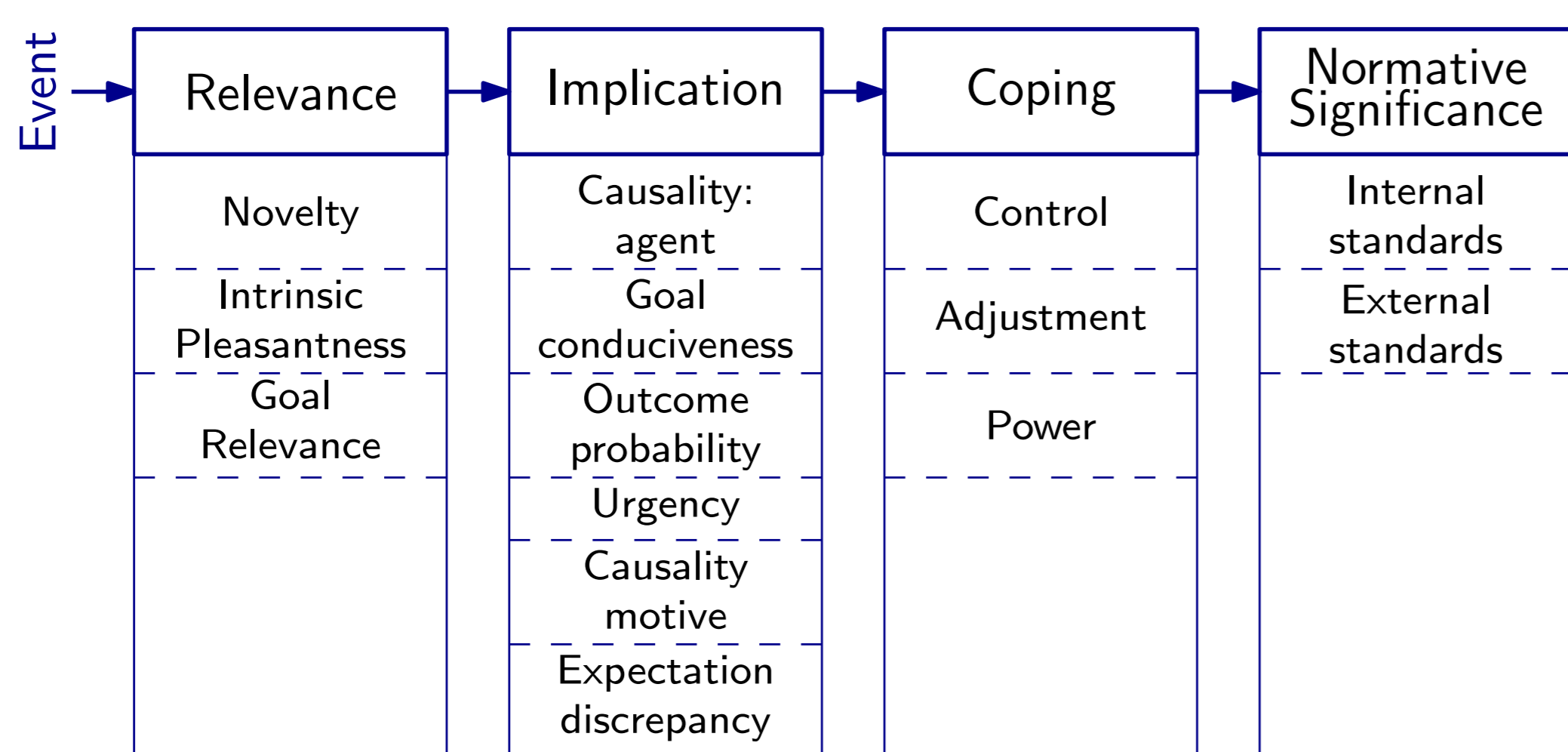
Paul Ekman:



- Distinctive signals
- Presence in other primates
- Distinctive physiology
- Distinctive universals in antecedent **events**
- Coherence among emotional response
- Quick onset
- Brief duration
- Automatic **appraisal**
- Unbidden occurrence

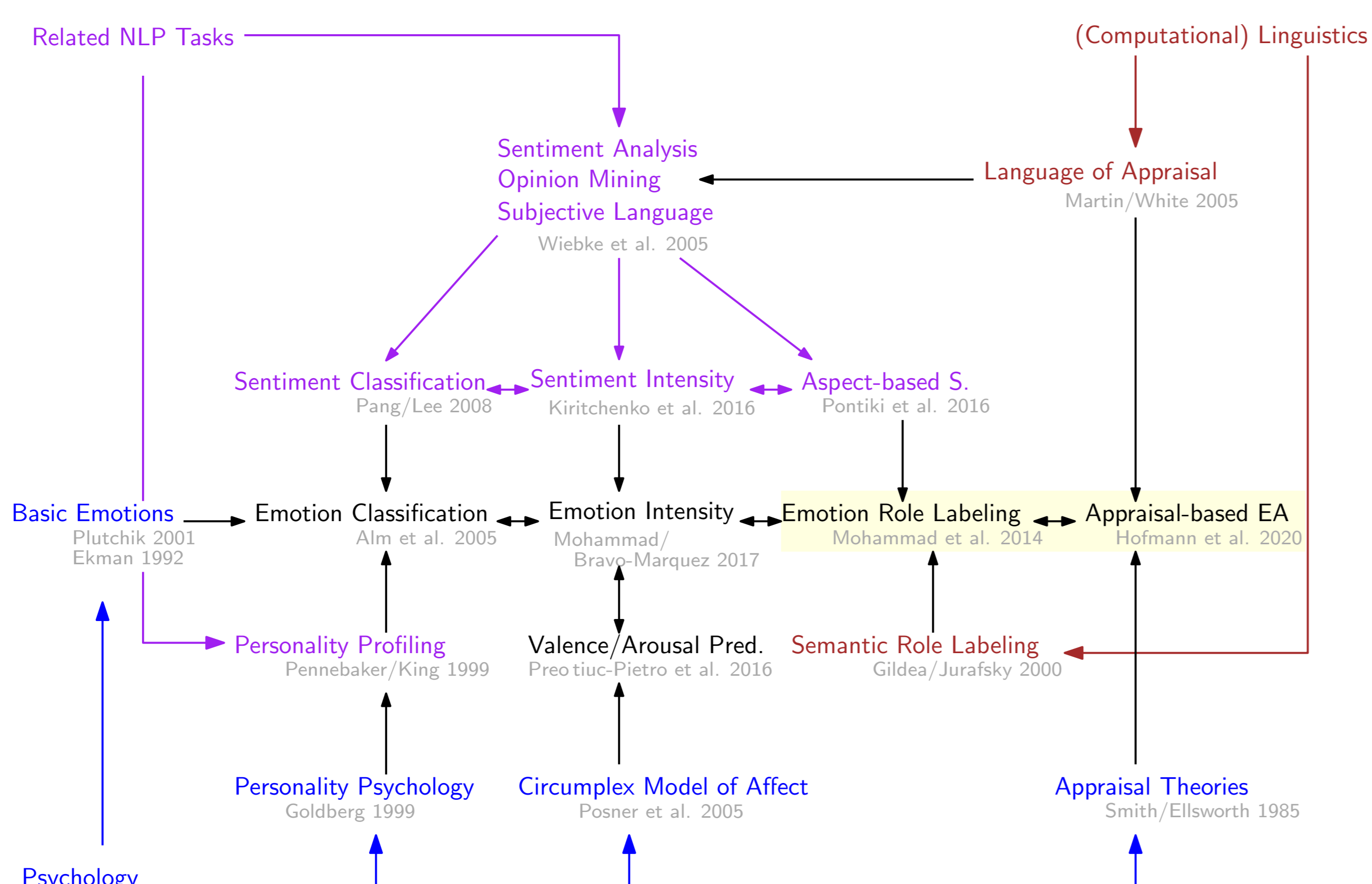
Klaus Scherer:

*Emotions are "an episode of interrelated, synchronized changes ... in response to the evaluation of an external or internal **stimulus event** as relevant to major concerns of the organism"*



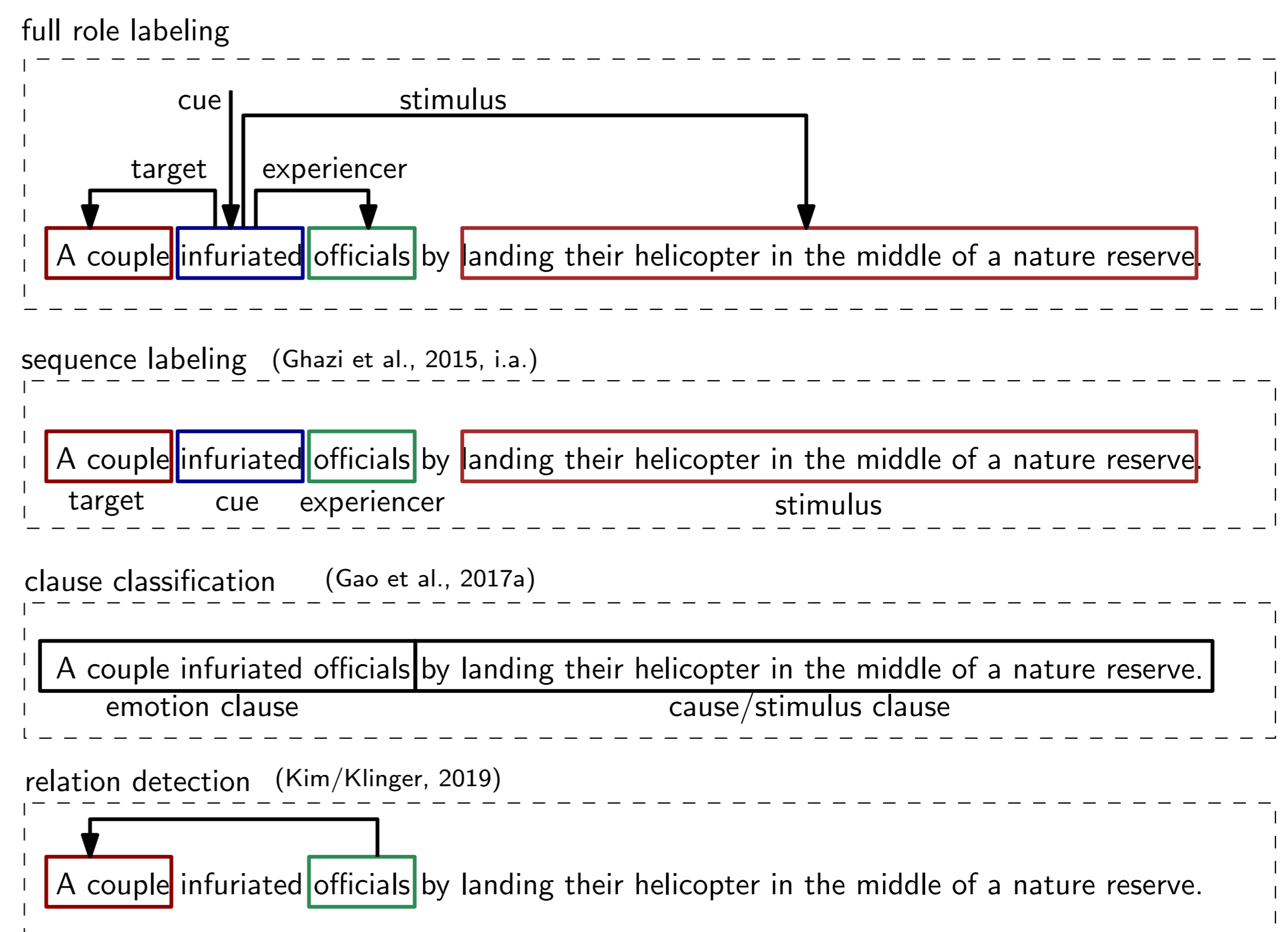
⇒ Text classification methods that interpret text based on appraisal theories exist.

(4) Related Tasks



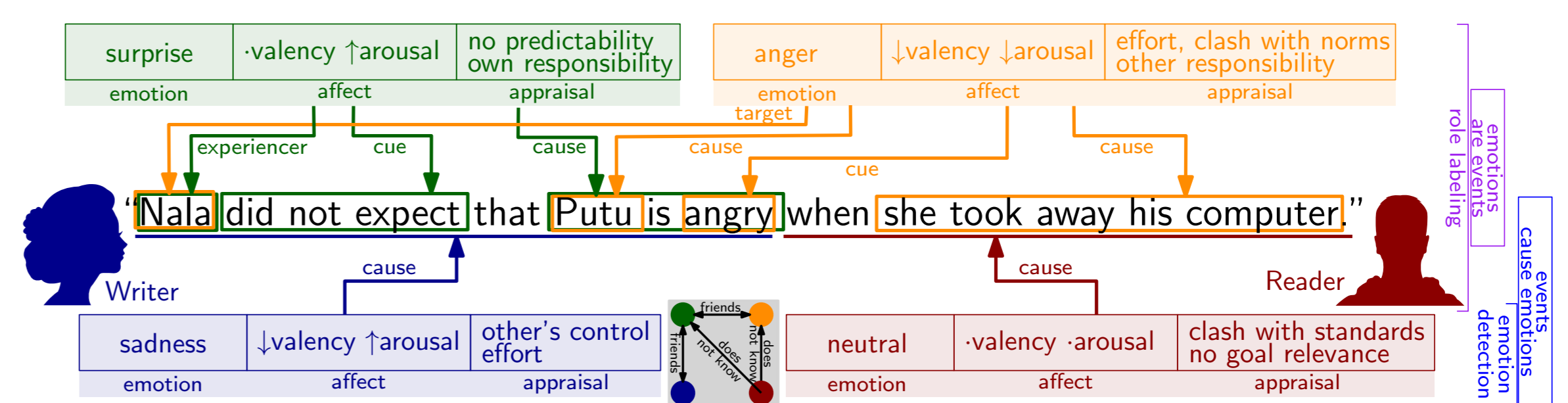
(2) What is an Emotion? An Event!

Emotions **are events**: emotion role labeling



⇒ Methods for full role labeling do not exist, but partial solutions do exist.

(3) Desideratum: an Integrated Approach



⇒ Nearly no work exists that integrated multiple psychological emotion models with role labeling.

(5) Open Research Questions

Bringing together appraisal theories and role labeling motivates open research questions/tasks:

1. Full emotion role labeling
2. Integration of appraisal theories in role labeling
3. Interpretation of event chains
Goals motivated by transferring work in related tasks:
4. Integration of other emotion theories in role labeling
5. Robust cross-corpus modeling and zero-shot predictions
6. Perspectivism (integration of personal traits)
7. Transfer of other psychological theories to NLP
8. Multimodal modeling with event interpretation

