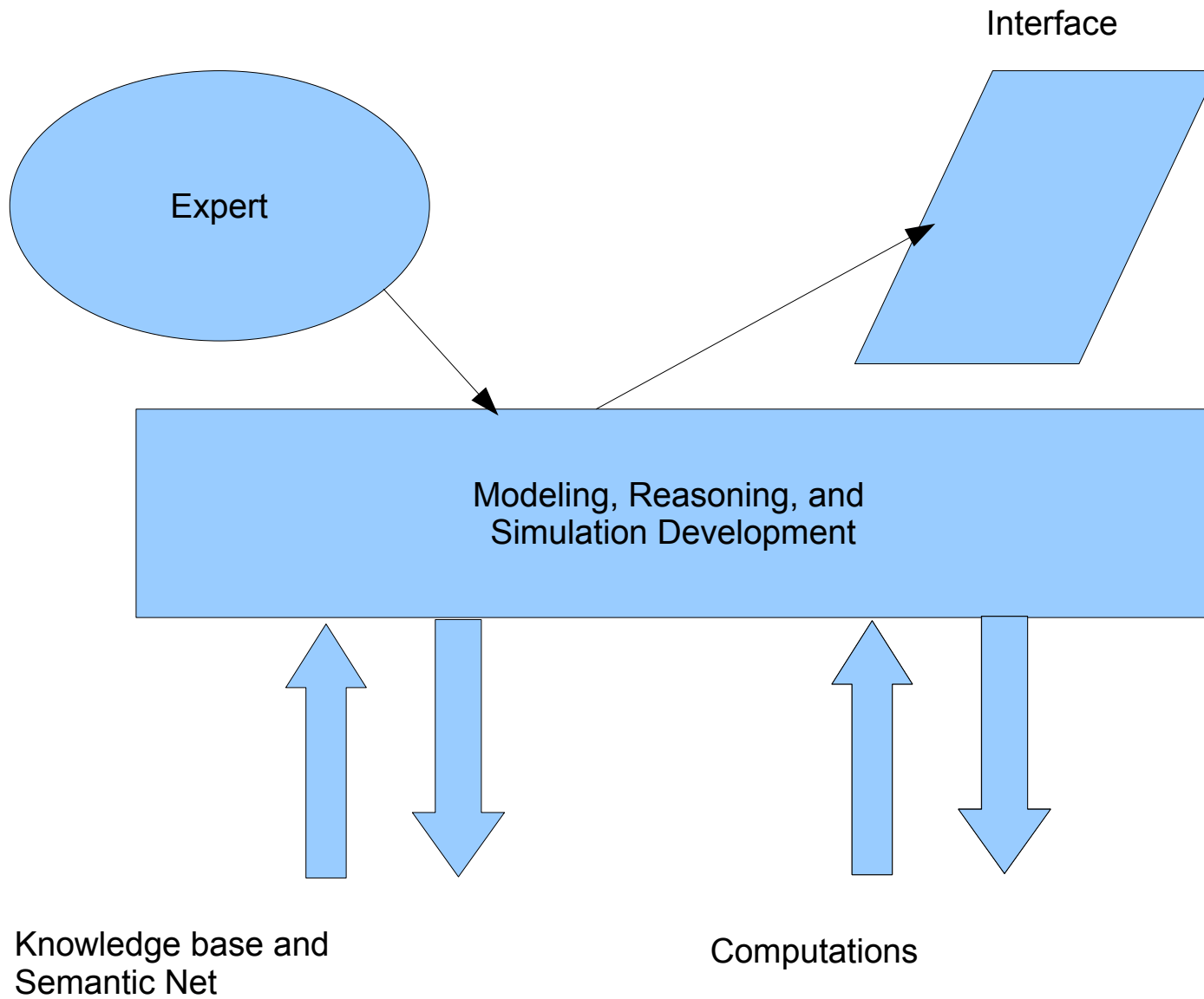


Problem-Solving as Argumentation

Science is observation,
argumentation, and explanation.



Building Models

- Translation from BoK, a hodge-podge of images, mathematics, natural language.
- Develop logical framework that captures problems and allows questions to be formulated.
- Find and verify/validate solutions. This takes the form of an argument: claim, evidence, etc.
- Explain the solutions in terms of the original material.

Our Research

- Our Goal: Bring your problem in Monday at 8 and you'll have a PSE by Friday at 5.
 - Viz input is an undergraduate project.
 - Semantic Net is an Honors project for two Honors students. Could be MS/PhD level. Interdisciplinary.
 - Symbolic manipulation module is ongoing, CAS partial available. MS/PhD. Interdisciplinary.
 - Reasoning module is new, using argumentation and changes to knowledge engineering. PhD level. Interdisciplinary.

**We're looking for
collaborators on
the problem side**