Elicitation Navigator Status

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1 Recap

1. Traveling to MICAI in November
2. Applying for NSF Fellowship (app due last week of October; recommendations due December 1)

2 Admin Questions

1. Shall I setup a SVN repository?
2. Shall I setup a project wiki?

3 Project Questions

1. ** How do I go about correcting 'inaccurate FS' sentences and what percentage of my time should be spent on these?
2. How do we want to replace names? (There are currently 27 names in the f-structures and 2 in the c-structures)
3. Is encoding head mappings at a "depth" of 1 a good idea?
4. Would you like a demo of the phi mapper (prototype)?

4 Recently Accomplished

1. Prototyped code that automatically produces ϕ & head mapping
2. Began fixing misordered c-structure parses
3. Fixed bangs in the middle of f-structures
4. Fixed unbalanced parentheses in c-structure parses
5. Read 6 papers from our group on Elicitation
6. Talked to Alon & Stephan about NSF Fellowship proposal

5 Accomplished So Far

1. Wrote code to label tree nodes and align C&F structure while mapping male-female names (still needs tweaking)
2. Created prototype framework on which to build advanced components & integrated with Elicitation Tool

6 TODO

1. Correct "inaccurate f-structures"
2. Map constituent structures to feature structures (proposal p.8)
3. Map each of 50 features classes to an "Implicational Feature"
4. Find minimally different pairs for all features values – possibly on-the-fly (proposal p.7)
5. Write sentence analyzer that can produce Fact Records from elicited sentence pairs (proposal p.7)
6. Handle conflicts between sentences found by sentence analyzer (proposal p.8)
7. Pre-Process Implicational Universals to remove tautologies and possibly phonetic features
8. Write sentence selector that uses heuristic search function to focus on goals (proposal pp. 11-13)
9. Dump elicited sentences and constraints that Vamshi's tools should look for (those marked on governors & dependencies; those marked on head are N/A).
10. Write new elicitation sentences as needed (proposal p.7)
11. Evaluate impact of system on Statistical Transfer MT System (proposal p.15)
12. Evaluate impact of system on SMT System (proposal p.15)