PAPPI: A Multilingual Parser
Sandiway Fong, Depts. of Linguistics and Computer Science

- Based on the Principles-and-Parameters Framework [Chomsky].
  Principles state universal constraints. Parameters are language-specific.

- A research and prototyping tool
  Concept: Multiple languages, single grammar.
  Modular: Plug-ins to update theory. Explore alternate theories.
  Programming language: logic programming + linguistic primitives.
  Ease of use: High level to target linguists.
  Methods: compile principles down to parsing-efficient code.

- Potential Applications:
  Core grammar for language understanding, machine translation.

Explore Universal Grammar

- Project Scope:
  Other advantages: uniform representation, sophisticated analyses.
  English: A Course in GB Syntax [Lasnik & Uriagereka]
    Plug-ins: VPS, Double Objects (Zero Syntax) [Pesetsky]
    Scrambling: Some Asymmetries in Japanese [Saito] (also Korean)
  Turkish, Hungarian: Morphology, compounding, causatives
  Dutch: V2 (also German), VR and clausal extraposition
  French: Verb movement, clitics (also Spanish)
  Chinese: Nominalization

- Other Projects:
  Kanda University: COE Project: [Inoue]
    Researching and Verifying an Advanced Theory of Human Languages
  Arabic Syntax: IERA, Mohammed V University, Rabat, Morocco.

Contact: Sandiway Fong. E-mail: sandiway@email.arizona.edu
PAPPI webpage: http://www.neci.nj.nec.com/homepages/sandiway/pappi/