

# *ALM*-to-ASP Prototype Translator

## Instructions of Use

### Preliminary installations

#### 1. Download and Install Python 2.6.4:

- a. Download Python 2.6.4. from: <http://www.python.org/download/>  
(I used the Python 2.6.4 Windows Installer:  
<http://www.python.org/ftp/python/2.6.4/python-2.6.4.msi>)
- b. Run the Python 2.6.4 Windows Installer (python-2.6.4.msi)
- c. Make sure that the newly created Python folder appears in the PATH system variable (for example: "C:\Python26")

#### 2. Install the library LEPL (A Parser Library for Python):

(more information at <http://www.acooke.org/lepl/download.html> )

- a. Install Setuptools (easy\_install)  
Get it from: <http://pypi.python.org/pypi/setuptools>  
(I used the Setuptools Windows Installer:  
<http://pypi.python.org/packages/2.6/s/setuptools/setuptools-0.6c11.win32-py2.6.exe> )
- b. Once installation of Setuptools is complete, you will find an "easy\_install.exe" program in your Python Scripts subdirectory. Be sure to add this directory to your PATH environment variable (for example: "C:\Python26\Scripts")
- c. Once you have installed Setuptools you can install LEPL with the command  

```
easy_install lepl
```

That's it. There is no need to download anything beforehand; easy\_install will do all the work.

### Running the ALM translator

- a. To translate a system description of *ALM* stored in a file called <filename.extension>, type:  

```
python ALMtoASP.py <filename.extension>
```

The resulting file will be in the same directory as the input file; it will have the same name as the input file, and the extension ".lp": <filename.lp>
- b. In order to test the logic program containing the translation of your system description (<filename.lp>), you need to add a history to it and optionally a planning module, a theory of intentions, etc.

### Important:

This prototype translator works only with correct system descriptions (syntactically and semantically). It does not implement all of the syntax of *ALM*, but covers its significant core. You can direct your questions or comments to Daniela Incezan (incezd@miamioh.edu).