Julia has demonstrated that a numerical computing language can be easy to use, elegant, and fast. This course will ask and perhaps try to answer the really hard questions such as

- Why is it that hardly anyone is using much parallel computation? (we think the answer is not hardware, not need, but language and convenience!)

- What could we accomplish if we had one language that extends well beyond numerical computation?

Monte Carlo Case Study:
(parallel code hardly different from serial code)

```
p = 1024;
include("./jucluster/jucluster.jl")
addprocs_jucluster()
Adding 32 machines...
160/1024 cores added
320/1024 cores added
480/1024 cores added
640/1024 cores added
800/1024 cores added
960/1024 cores added
1024/1024 cores added
Started JuliaBox cluster with 1024 cores.
```