Energy 2013

Supervising researcher: Rody Kersten

Group members:
- Jascha Neutelings
- Dorus Peelen
- Marc Schoolderman

GiPHouse
Radboud University Nijmegen

Overview of project

- Energy consumption analysis of software
  - Simplified programming language
  - Component model
    - Models energy consumption by hardware

Example

```
function  forwardSignals(N)
  radio::on();
  while N > 0 bound N do
    X := sensor::m();
    radio::queue(X);
    radio::send();
    N := N-1
  end while;
  radio::off()
end function
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Planning and organization

- Moving target
  - Open for changes
  - Bi-weekly meeting with researcher
    - Errors in paper
      Type system -> Hoare logic
- Programming practice
  - Pair programming
  - Deliver working code
  - Automatic test cases

Follow our progress!

ECALOGIC is open source

http://tiny.cc/ecalogic