

Tools Working Group

John Regehr, chair

What Tools?

```
$ make my-platform contracts  
$ make my-platform type-safe  
$ make my-platform compress-ram  
$ make my-platform inline  
$ make my-platform optimize  
$ make my-platform stack-check
```

- ◆ Easy to use
- ◆ Optional

Goals

- ◆ **Make it easier to develop sensornet applications through software tools**
- ◆ **Support transition of tools from the research community into practical use**
- ◆ **Win/win:**
 - **Developers get tools**
 - **Researchers get impact**

What's in Scope?

- ◆ Design-time tools that run before nescc
- ◆ Tools that run between nescc and gcc
- ◆ Tools that run after gcc

Short-term Goal

- ◆ Integrate one or more tools into TinyOS 2 releases
 - Type safe execution might be first

Initial members:

David Gay

Ben Greenstein

Todd Millstein

Jens Palsberg

John Regehr

- ◆ **More members wanted**
- ◆ **Web page, mailing list coming soon**