SqueezeBlock conveys information by dynamically changing its stiffness.

**Motivation**
- Haptic feedback provides additional interaction channel when visual and auditory feedback are not appropriate.
- Software control natural object properties - stiffness.
- Information pull interface, users initiate interaction unlike vibration

**Features**
- Varying Stiffness: squishy and stiff could convey an empty or full battery respectively.
- Clicks & Detents: count number of unread messages
- Size: device becomes smaller as meeting time draws near
- Spring length: longer spring could indicate progress of a task.
- Complex multi-state function: easily realize spring behaviors that otherwise require complex mechanical constructs.

InGen is a general purpose self-powered rotary controller with haptic feedback

**Motivation**
- Make haptic feedback ubiquitous.
- Enable haptic feedback in places where power availability is difficult, e.g. a door knob.
- Use a single transducer to generate power, sense user intent & generate feedback.

**Features**
- Generates power from a modified servo motor.
- Senses speed and direction of rotation.
- Wirelessly communicates with PC.
- Various feedback patterns can be generated by making it easy or hard to turn the device.
- Can generate bumps or detent feedback during rotation.
- Feedback in each rotational direction can be controlled independently.