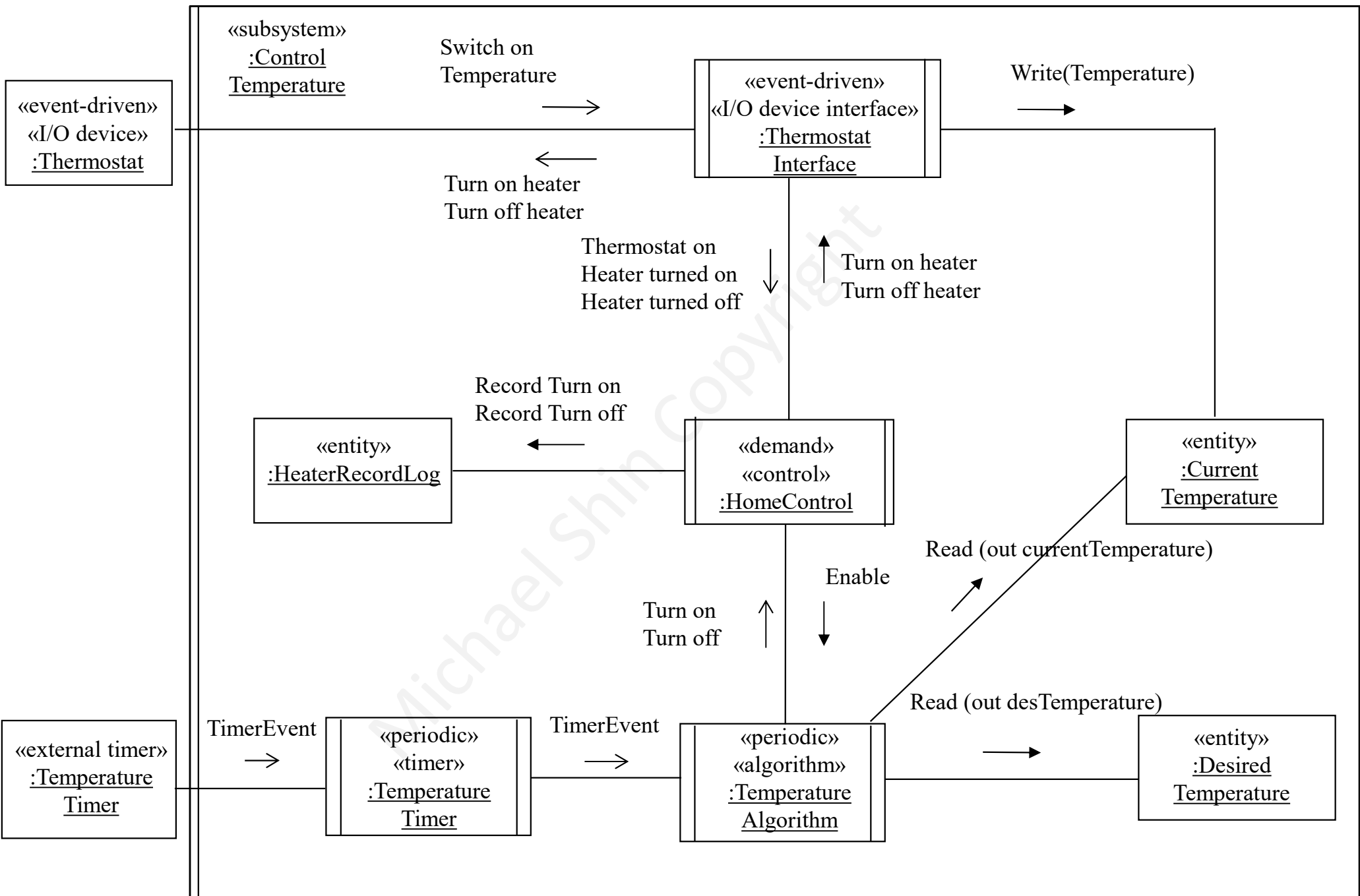


# Main Sequence for Control Temperature use case



# Thermostat Interface task interface

- **Name:** Thermostat interface task
- **Structuring criteria:** role: I/O device interface; concurrency: event-driven
- **Task interface**

## **Task inputs:**

Event input: Thermostat external interrupt

External input: Switch on, Temperature external

Synchronous message communication without reply:

- Turn on heater
- Turn off heater

## **Task outputs:**

External output: Turn on heater, Turn off heater

Asynchronous message communication:

- Thermostat on
- Heater turned on
- Heater turned off