April 11, 2025 Outline

Reading: *text*,§3.5–3.6, 4.1–4.7 **Due:** Homework #1, due April 14; Project selection, due April 16

Module 11 (Reading: *text*, §3.5–3.5.3)

1. Expressive power
   (a) Multi-parent create
   (b) Simulation

Module 12 (Reading: *text*, §3.5.4)

2. Typed access control model (TAM)

Module 15 (Reading: *text*, §4.7)

3. Secure, precise
   (a) Observability postulate
   (b) Theorem: for any program p and policy c, there is a secure, precise mechanism m^* such that, for all security mechanisms m associated with p and c, $m^* \approx m$
   (c) Theorem: There is no effective procedure that determines a maximally precise, secure mechanism for any policy and program

Module 13 (Reading: *text*, §4.1–4.4)

4. Policy and models
5. Policy vs. mechanism

Module 14 (Reading: *text*, §4.5–4.6)

6. Policy languages