User Trees: Simple and Powerful Process Security

- All users today must have the ability to run untrusted programs.
- However, the primary OS security tool (distinct users) is only available to root.
- Idea: Give each user the ability to create subusers at any time for any need.
- Result: User IDs must be arranged in a tree.
- Three implementations in progress:
  - Augment OS via sandboxing.
  - SetUID scripts installed by admin.
  - Modified OS with native support.