

“Complete, Safe Information Flow with Decentralized Labels”

Andrews C. Myers and Barbara Liskov
(MIT)

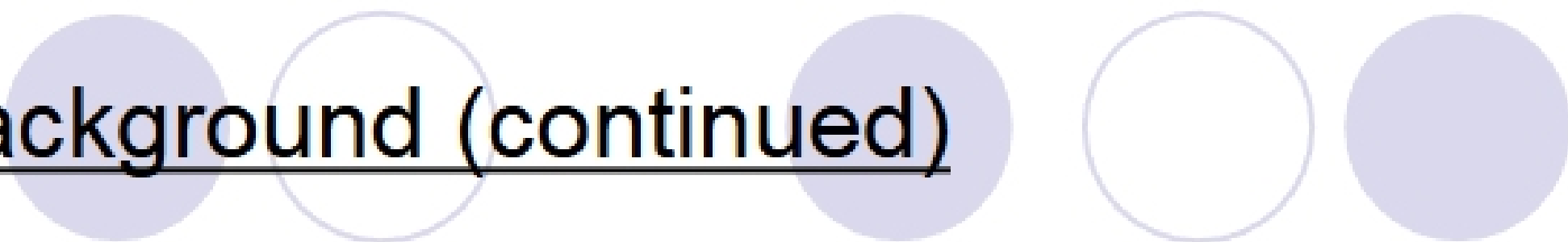
Presenters : Wilfred Glover-Akpey and
Anuj Sawani

Background



- “A Decentralized Model for Information Flow Control”, Andrew C. Myers and Barbara Liskov
 - a new model for controlling information flow in systems with mutual distrust and decentralized authority.
 - model allows users to share information with distrusted code
 - The model improves on existing multilevel security models

Background (continued)



- Shows how static program analysis can be used to certify proper information flows in this model
- Principals can attach flow policies to pieces of data.
- Principals can declassify labels by modifying their own policies.
- It is compatible with static checking of information flow.