Information flow policies ensure that confidential information is not leaked from a program by enforcing rules on its source code. To be useful, information flow control policies need to specify declassifications and the conditions under which declassification can occur. However, attaching declassifications to program statements makes the policies hard to find and understand, which makes auditing difficult. Our policy specification language, EPL/J, allows the specification of information flow control policies separately from a program, supporting conditional gradual releases and their automatic enforcement. By separating the policy from the program, scattering of policy details among the program's code is avoided, which should make policies easier to audit; also program changes can be limited to a module that describes program interactions, which should help policy specifications be more resilient to program changes.

This is joint work with UCF Ph.D. student John Singleton and Prof. David A. Naumann of Stevens Institute of Technology.

**Speaker**

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