

Informatik Kolloquium

Am Freitag, dem 14. Dezember 2012, um 10:15 Uhr hält

Prof. David Basin
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einen Vortrag über das Thema

Monitoring Policy Compliance

Der Vortrag findet im Senatssitzungsraum A14 1-111 statt.

Abstract:

In security and compliance, it is often necessary to ensure that agents and systems comply to complex policies. This includes data protection policies, access control policies, and general usage-control policies stipulating how data can and must not be used. For example, in banking one may have financial reporting requirements such as every transaction of a customer, who has within the last 30 days been involved in a suspicious transaction, must be reported as suspicious within 2 days. We present an approach to the automated monitoring of such policies either online during system execution, or offline during audit. Policies are formulated in an expressive formal language (namely metric first-order temporal logic), and monitors are automatically generated from specifications. We report on our experience using this approach in different case studies in security and compliance monitoring.

Einladender: Prof. Dr. E.-R. Olderog