SPLICE: Security and Privacy in the Lifecycle of IoT for Consumer Environments



The Internet of Things now involves the deployment of Smart Things in everyday residential environments – houses, apartments, hotels, senior-living facilities – resulting in Smart Homes.

How does IoT technology in the home create **novel security and privacy risks**, and how do these risks vary across **complex stakeholder relationships**?

Our research agenda allows the team to synergistically address cross-cutting challenges & fold discoveries from one research thread into solutions in another.

comparison of recurring authentication methods for discovering, identifying, differing security and scheme for device-toauthenticating, and classifying IoT devices in the smart-home context privacy attitudes device authentication The Development Deployment Direction Discovery Design Decommission "lifecycle" of **Smart Things:** Select innovations as methods to leverage trusted methods for they relate to the hardware in embedded IoT secure third-party lifecycle platforms security analytics

Our BPC Goals: Create diverse learning communities and groups, opportunities for female and URM students to participate, training and professional development activities

Our <u>Advisory Council</u> spans academia, government, and industry, helping bring our research insights into practice.

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