Learning algorithms and automation protocols for virtualized networked systems

Résumé du projet de recherche (Langue 1)

The goal of this PhD thesis is to model virtualized network systems composed as virtualized network functions and links as a state machine reliability system where states characterise the evolved reliability and related resilience of the global systems, from a state of perfect availability to states with decreasing levels of reliability and survivability. Machine learning algorithms will need to serve the state machine transitions, which in turn needs to be referred to network automation primitives being standardized.