

# Efficiency, Robustness and Security of Distributed Systems under More Realistic Adversarial Models

We live in the era of distributed data and computation: starting from the Internet, through (Wireless) Sensor Networks, Clouds, Internet of Things (IoT), and beyond to nano-computing and other emerging technologies. Big Data and computation resources are widely distributed, and therefore accessing and processing them simultaneously by billions of users poses various challenges. How fast we could do it? Are our activities confidential and/or secure? A meaningful answer to these and related questions require complex analysis in appropriate mathematical and computational models, as distributed systems are difficult to test directly due to their large scale.