IC Life Cycle

CAD Tool Vendor

IC Design House

Deployment

Insert H/W Trojan in design (By untrusted CAD tool/designers)

ICs Passing Test

ICs

GDS-II

IPs

Manufacturing test

Foundry

Reverse-engineer GDS-II & insert H/W (By an adversary in fabrication)

Threats of Trojan Attacks

Tools

Insert H/W Trojan in IPs (By IP designers)

H/W IP Vendor