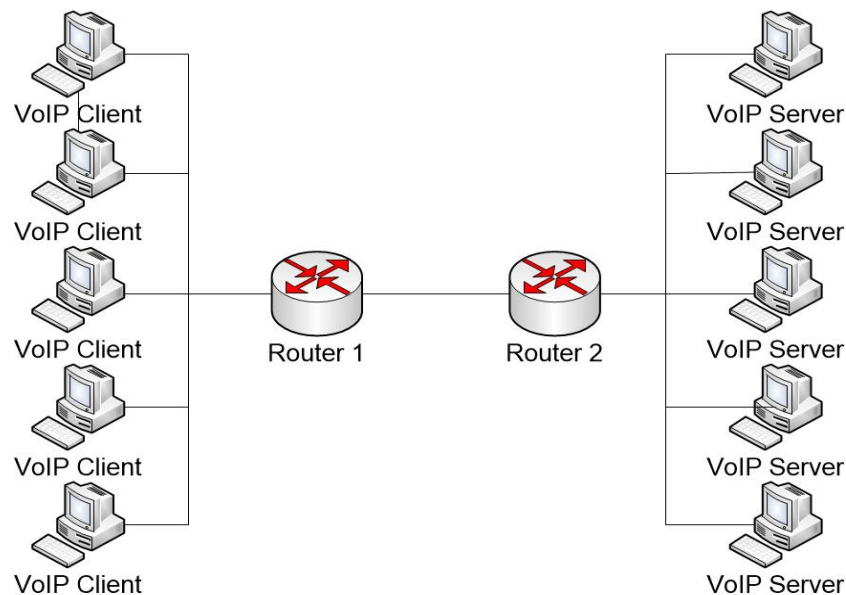# Berk Ünlü : Simulation-Based VoIP Performance Evaluation under Different Traffic and Codec Conditions (2013)

A Comparative Study on Network Simulation Tools:

- Ns-2
- OMNeT++
- OPNET

Comparative Performance Evaluation of VoIP under Different Scenarios:

- 30%, 60% and 90% Traffic Loads on the Bottleneck Link
- G.711, G.729 and G.723 Voice Codecs
- 64 B, 800 B and 1500 B Packet Sizes for TCP Background Traffic
- RED Queuing Management with Different Threshold Ranges
- Priority Queuing Management with Class Based Queuing