

MODELING OF OPTICAL BURST SWITCHING NETWORKS

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With growing demands of Internet Protocol services for transmission capacity and speed, the solution for future high-speed optical networks is Optical Burst Switching, that is a technology for transmitting large amounts of data bursts through a transparent optical switching network. To successfully transmit bursts over OBS network and reach the destination node, resource reservation schemes have to be implemented to allocate resources at each node. The OBS network model with one-way resource reservation schemes performed using OMNeT++ simulation environment is presented.