

### **3B3 Active Measurements on Wireless LAN**

Igor Velimirovic, CARNet, Croatia, Ivan Maric and Mario Klobucar, SRCE, University Computing Center, Croatia

#### **Abstract:**

CARNet (Croatian Academic and Research Network), in cooperation with FER (Faculty of Electrical Engineering and Computing) and SRCE (University Computing Center) has established a test wireless network, which connects several nodes using wireless local area network technology (Wireless LAN, IEEE 802.11b, DSSS). In order to test real transport characteristics of such an established network, active measurements are performed. Connection is tested with IP/UDP traffic, generated with a software traffic simulator. A description of test bed is given in this paper, together with characteristics of the transport system, a plan of the test measurements and a description of tool used (traffic generators, measurement techniques). Results of the measurements performed are presented and analysed, together with some conclusions.