

**TITLE:**

Videoconference at school

**AUTHOR:**

Petr Karadžos

**DEPARTMENT:**

Department of technical and informatics education

**SUPERVISOR:**

doc. RNDr. František Lustig, CSc.

**ABSTRACT:**

The theoretical goal is based on overview of videoconferencing solutions regarding to usage in educational process and overview of application videoconferencing solutions. Moreover, theory part is also focused on how videoconferences are working according to technical background. The descriptions of signaling process between two or more ending points and how are multimedia data transmitted during videoconference calls. The topic of practical part is to analyze how videoconferences can be used as technical educational tools in learning environment based on videoconferencing pilot project.

**KEYWORDS:**

Videoconferencing, H.323, SIP, webinar, multimedia, ICT, Multicast, Moodle, GoToWebinar