

# **Towards a conservative - with respect to queuing - simulation model for H.261 & H.263 Sign-Language Videoconference Traffic in Multipoint IP Sessions**

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*Abstract:* Sign language videoconference traces (H.261 and H.263 encoded) gathered during realistic multipoint IP sessions (switched and continuous presence) between Greek signers are statistically analyzed using the models proposed in our previous study [1]. Comparing our analytical results against a simulation using actual sign language videoconference data, it is proven that the application of our statistical models into the C-DAR(1) model [5] is a conservative solution in all experimental cases. It must be noted that the focus of the current manuscript is the performance analysis of sign language videoconference traffic as well as the contribution of results for further use in theoretical studies concerning videoconferencing for deaf people.