

Elektrotechnik-Elektronik-Informationstechnik

# EEI KOLLOQUIUM

## Some Converse Results in Information Theory

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**Diskussionsleitung: Prof. Dr.-Ing. R. Müller**

Converse results in information theory are statements that it is impossible to achieve performance beyond a certain limit in communication, data compression, etc. Such results are often obtained using ideas and techniques that are very different from those used for “direct”, achievability results. This talk discusses a few converse results and their implications in optical communication, secrecy, and networks. The main ideas in proving these results will also be shown.