

Elektrotechnik-Elektronik-Informationstechnik

# EEI KOLLOQUIUM

## Symbol-level Precoded Waveform Design: Theory and Applications

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**Montag, der 23.07.2018, 9<sup>15</sup> Uhr**

Hörsaal H6, Cauerstraße 7/9

Diskussionsleitung: Prof. Dr.-Ing. Müller

In this presentation, we will cover the fundamentals of symbol-level precoding vs block-level precoding by looking into the main system models and optimization problems. To support the achieved gains, parallelisms with PHY-layer multicasting will be drawn. Furthermore, a series of possible applications will be presented, including power minimization, robustness against non-linearities, PHY security, FTN signaling and waveform design.