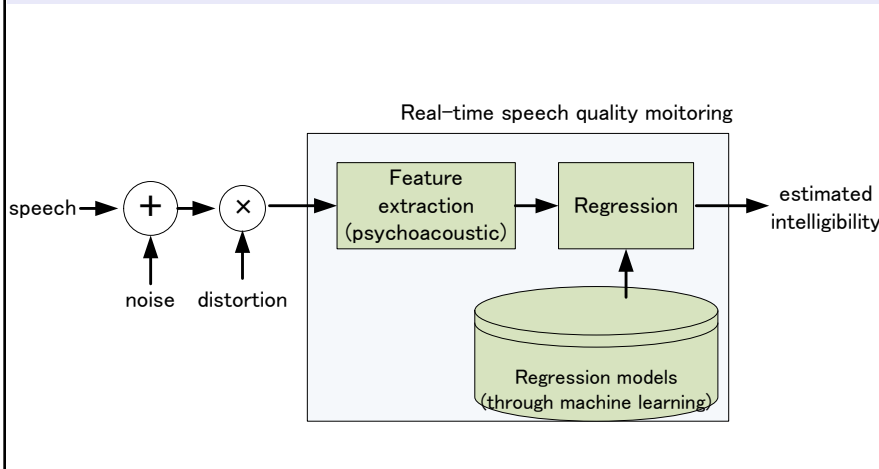
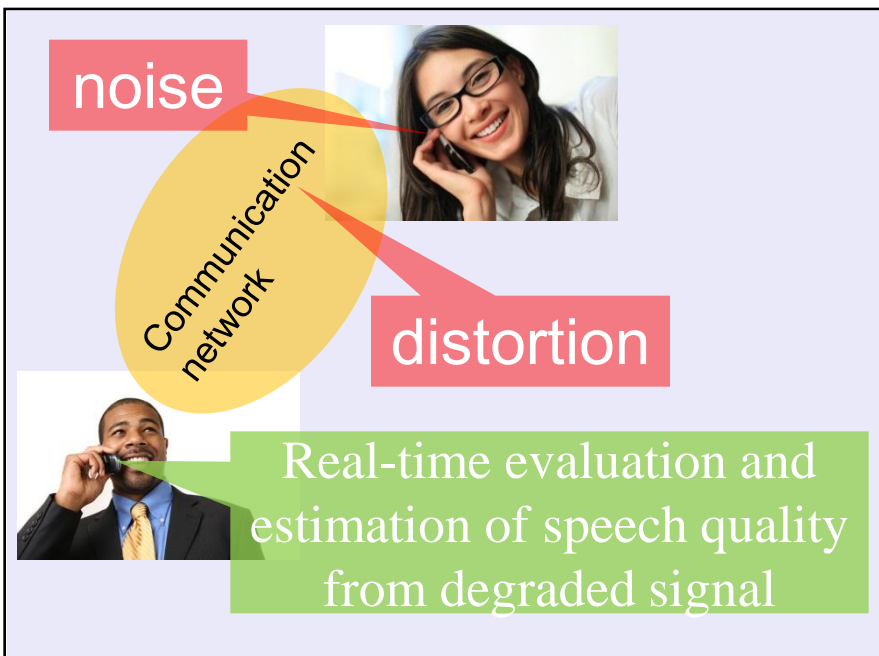


Evaluation of speech quality and its accurate estimation methods

Associate Professor **Kazuhiro (Kazz) Kondo**



Content :

- Efficient evaluation methods of speech quality from degraded signal
 - Short evaluation period, stable results with few subjects, low evaluation cost
 - Automation of evaluation, efficient data compilation
 - Stable measurements, high repeatability
 - A two-to-one forced selection word intelligibility test proposed
- Accurate estimation of speech intelligibility from noise-degraded samples
 - No reference signal necessary
 - Accurate intelligibility estimation using machine learning techniques
 - Accurate intelligibility estimation using automatic speech recognition
 - Estimation possible for degraded speech in unknown environment
 - Applicable to real-time network quality monitoring and automatic network parameter setting

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