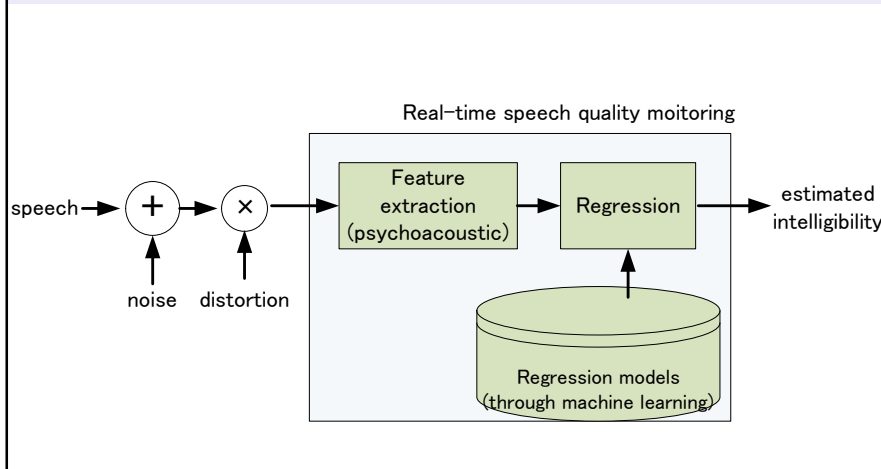
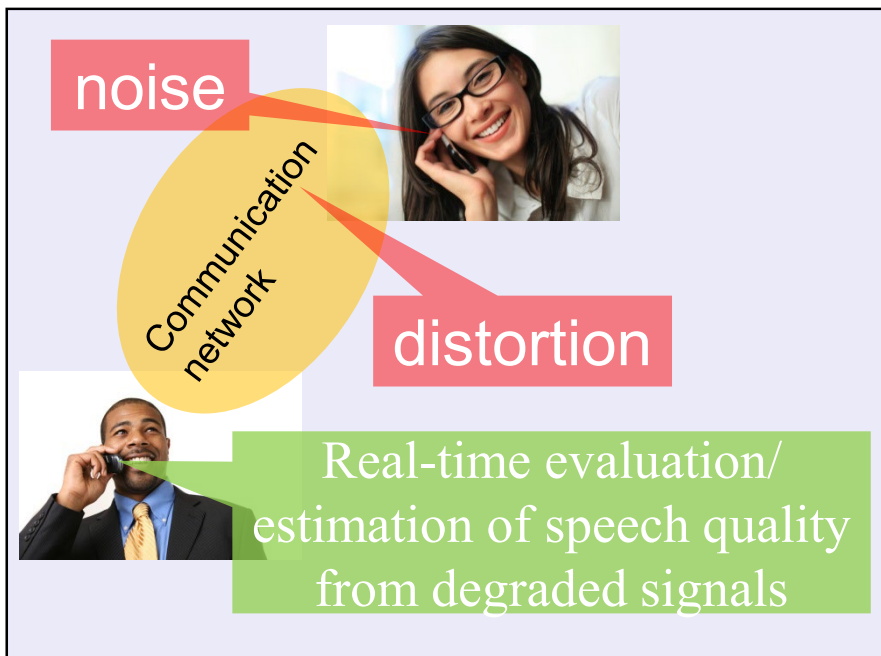


# Real-time evaluation of speech quality and its accurate estimation methods

## 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 degraded signals
  - No reference signal necessary
  - Accurate intelligibility estimation using machine learning techniques / automatic speech recognition
  - Accurate intelligibility estimation using Estimation possible for degraded speech in unknown environment
  - Applicable to real-time network quality monitoring and automatic network parameter setting

### What's so good about this research?

- An easy-to-use speech quality meter that gives you quality measurements on the spot, no matter the speaker/content!

Yamagata University School of Science and Engineering  
Research interest : Speech/Audio Signal Processing and Systems  
E-mail : [kkondo@yz.yamagata-u.ac.jp](mailto:kkondo@yz.yamagata-u.ac.jp)  
Tel : +81-238-26-3312  
Fax : +81-238-26-3312  
HP : <http://spandaudiolab.yz.yamagata-u.ac.jp/kkondo/index-e.htm>