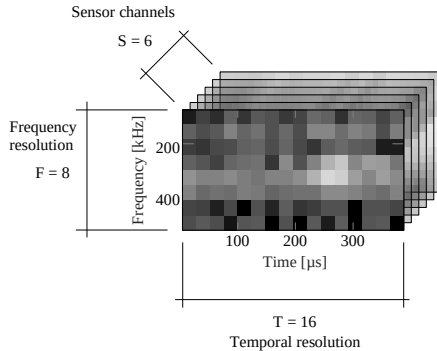# TinyML Application: CNN Sensor Analytics for Structural Health Monitoring

Input tensor

Experimental setup:

Sensor and noise positions

Training dataset

Testing dataset

Model architecture

Sensor channels

$S = 6$

Frequency resolution

$F = 8$

Frequency [kHz]

200

400

Time [µs]

100   200   300

$T = 16$

Temporal resolution