**Trumpet playing is muscle work:**
- the fine motor manipulation of the embouchure muscles
- the activity of the whole body of the player

**Demands on the measurement system:**
- Easily attachable to a personal trumpet – mouthpiece combination
- With as little influence on the playing situation as possible
- Measurement of the force in three dimensions
- Real-time display
- Simultaneous sound recording

**Target of the new type of transducer is,**
to measure the mouthpiece force in three dimensions. These values contain a lot of embouchure information.

**The Transducer Design**

**First Results**

**Data Acquisition Software**