Expressing Emotions with the Social Robot Probo

- Jelle Saldien, et al. (2010): Expressing Emotions with the Social Robot Probo, International Journal of Social Robotics. `https://link.springer.com/content/pdf/10.1007/s12369-010-0067-6.pdf`

- Motivation: Probo is a social robot for therapy of children and therefore its emotional expressions should be well recognizable. To evaluate the recognition of emotions a study was conducted.

- Prototype: To express emotions Probo has 20 degrees of freedom in its head and a trunk to intesify emotions.

- Method: A questionnaire displaying pictures and a multiple-choice of emotions were used. (children & adults)

- Main Result: Accuracy of 84% was achieved (no significant difference found based on the gender or age of participants)