A face provides a wealth of information about a person, such as identity, gender, age, and emotion. In human relations, people mutually communicate based on useful information conveyed through a person’s facial appearance.

My main research field is experimental psychology. My research interest is how people read the information in faces and recognize facial attributes. Current research subjects include the characteristics of attractiveness perception of faces and the impact of the dynamic presentation of facial expressions. Figure 1 depicts schematic representations of the dynamic offset of facial expressions made using morphing techniques. The interpolated images are created between the initial expressive face and the neutral face. The dynamic presentation of faces is achieved by presenting the images successively. Such animation clips are used as experimental stimuli to test the role of motion in the perception of expressive faces. Another research interest is the development and the psychological evaluation of a face image generation system to create more favorable impressions (collaborative research). Figure 2 portrays examples of faces synthesized by the system.

We were granted permission to use the ATR facial expression image database «DB99».

**Research Topics**
- Experimental study of human face perception (judgments of age, identity, emotion, attractiveness)
- Analysis of the colorimetric factors affecting the evaluation of impressions
- Development of impression-transferring method (collaborative project)

**Research Seeds**

**Related Technology**
- Measurement of subjective impressions using the Semantic Differential (SD) method