Analysis of Contextual Emotions Using Multimodal Data
by

For the Ph.D. degree in Computer Science and Engineering

Affective computing is a field which studies and evaluates systems which can recognize, interpret, and simulate human emotion. It is an interdisciplinary field, which includes computer science, psychology, and many others. For years, human emotion has been studied in psychology, but recently has become a prominent field in computer science. Largely, the field of affective computing has been focused on analyzing static facial expressions to recognize human emotions, without taking bias (e.g. gender, data bias), context, or temporal information into account. Psychology has shown the difficulty in this, as well as the need to incorporate this type of information. Considering this, in this dissertation, we have proposed new approaches to