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etween Emotion Representation Models

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dels for representing emotions in affect-aware applications, and available emotion recognition solutions provide results using Jels. As multimodal fusion is beneficial in terms of both accuracy and reliability of emotion recognition, one of the challenges is e models of affect representation. This paper addresses this issue by: proposing a procedure to elaborate new mappings, of metrics for evaluation of the mapping accuracy, and delivering new mapping matrices for estimating the dimensions of a ominance model from Ekman's six basic emotions. The results are based on an analysis using three datasets that were n affect-annotated lexicons. The new mappings were obtained with linear regression learning methods. The proposed mappings s on the datasets in comparison with the state-of-the-art matrix. The procedure, as well as the proposed metrics, might be used, n of the mappings between representation models, but also in comparison of emotion recognition and annotation results. ets are published along with the paper and new mappings might be created and evaluated using the proposed methods. The e interesting for both researchers and developers, who aim to extend their software solutions with affect recognition techniques.

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s of words   . Sample annotations of words   . Sample annotations of words   . Mapping accuracy metrics for
hrabian   ... from ANEW lexicon.   ... from the NAWL (Nencki Affective ... the ANEW-MEHR dataset.   ...

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Project

Automated therapy monitoring for children with autism spectrum disorder

Agnieszka Landowska · Malgorzata Jedrzejewska-Szczerska · Katarzyna Karpienko

The project aims at monitoring the progress of the children with ASD using the behaviometrics, revealed from tablet and mobile applications usage. As a result a therapist will be supported with a s ... [more]

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Project

Methods and tools for affect-aware Intelligent Tutoring Systems

Agnieszka Landowska · Michał Wróbel · Katarzyna Karpienko · [...] · Grzegorz Brodny

The AFFITS project aims at developing new methods and tools for affect recognition, representation and modeling for Intelligent Tutoring Systems (ITS). The main research question addressed by AFFIT ... [more]

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Integration in Multichannel Emotion Recognition

July 2018

Grzegorz Brodny · Agnieszka Landowska

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Emotion Monitor - Concept, Construction and Lessons Learned

October 2015

Agnieszka Landowska

Affect-awareness framework for intelligent tutoring systems

June 2013

Agnieszka Landowska

The paper proposes a framework for construction of Intelligent Tutoring Systems (ITS), that take into consideration student emotional states and make affective interventions. The paper provides definitions of 'affect-aware systems' and 'affective interventions' and describes the concept of the affect-awareness framework. The proposed framework separates emotion recognition from its definition, ... [Show full abstract]

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Agnieszka Landowska

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