

# Symposium: Unveiling Affective Signals

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## ABSTRACT

The ability to process and, subsequently, understand affective signals is the core of emotional intelligence and empathy. However, more than a decade of research in affective computing has shown that it is hard to develop computational models of this process. We pose that the solution for this problem lays in a better understanding of how to process these affective signals. This article introduces a symposium that brought together various approaches towards unveiling affective signals. As such, it is envisioned to be a springboard for affective computing.

## Author Keywords

emotion, affect, affective computing, methods, signal processing, pattern recognition.

## ACM Classification Keywords

G.3. Probability and statistics; H.1.2. User/Machine systems, I.5.2. Pattern Recognition: Design methodology, I.5.4 Pattern Recognition: Applications.

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Egon L. van den Broek & Anton Nijholt (University of Twente, The Netherlands), Joyce H.D.M. Westerink (Philips Research, The Netherlands).

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Khiet P. Truong (University of Twente, The Netherlands)

### Facial EMG as a Tool for Inferring Affective States

Anton van Boxtel. (Tilburg University, The Netherlands).

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Alessandro Vinciarelli & Fabio Valente (Idiap Research Institute, Switzerland).

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Hatice Gunes & Maja Pantic (Imperial College London, U.K.).

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Bernard M.C. Stienen & Beatrice de Gelder (Tilburg University, The Netherlands).

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