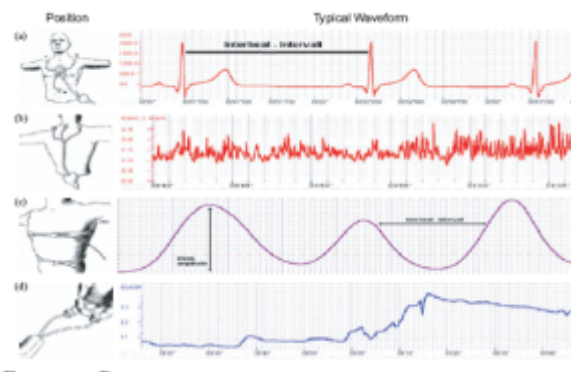


## >... Recherches à Lehrstuhl für Multimedia Konzepte und Anwendungen



Dr. Jonghwa Kim Lehrstuhl für Multimedia Konzepte und Anwendungen Institut für Informatik, Universität Augsburg

Jonghwa Kim, "Robust Speech Recognition and Understanding", ed. M. Grimm, K. Kroschel, CH. Bimodal Emotion Recognition using Speech and Physiological Changes , 265-280, [ISBN 978-3-902613-08-0](#), I-Tech Education and Publishing, Vienna, Austria, 2007- This is a detailed version of the paper you requested. Please cite this paper instead of the conference paper when it is necessary.

Jonghwa Kim, Elisabeth André, Multi-channel Biosignal Analysis for Automatic Emotion Recognition, International Conference on Bio-inspired Systems and Signal Processing, Jan. 2008, Madeira, Portugal, accepted.

Imho, for an experiment with dancer or performer, a robust positioning of biosensors might be one of main difficulties, since most biosensors, emg, ecg, sc, etc. are very sensible to motion artifacts. One can try to use a super adhesive electrode with pre-gelled tape. On the other hand, the sweat produced during dancing can inordinately reduce the resistance between skin and electrode. It causes then an unexpected waveform in biosignal.

We have good experiences with NeXus-10 Biosensor from ([Mindmedia](#)).

## >... Recherches sur la capture des signaux cérébraux



[The Brain-Computer Interface Using MATLAB and Simulink for Biosignal Acquisition and Processing](#) By Günter Edlinger and Christoph Guger, g.tec Medical Engineering GmbH

[Blog de Bernard Claverie: IA - BIO: Brain computer interfaces.](#) La société g.tec Guger Technologies, située à Graz en Autriche, se spécialise dans les systèmes de BCI permettant de contrôler un ordinateur de poche par la pensée.

[EEG Brain Cap Detects Musical Creativity](#) By R. Colin Johnson

[Composing music with the "musical brain cap" based on the g.tec BCI.](#) Gunter Edinger, g-tec medical engineering GmbH.

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