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ABSTRACT



PRESENTATION



PAPER



Antonio Cannuli has graduated and specialized cum laude in electronic engineering. After some years of corporate experience as project manager and R&D project manager he perfected his knowledge by obtaining a PhD degree in physics. His research topics addressed in recent years are multiple and in some respects also different, although a common underlying theme emerges: neuro/bioengineering and biophysics and the application of the principles and methodologies of engineering and physics in the studies of neuronal, biomedical and biophysical systems as well as the integrated use of experimental investigation techniques for the characterization of the spatio-temporal correlations of molecular and macromolecular signals and systems, EEG, fMRI, TMS, neuronavigation and neuroimaging.

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PRELIMINARY ASSESSMENT OF THE HEALTH STATUS OF PATIENTS WITH PARKINSON'S DISEASE BY MEANS OF INFRARED THERMOGRAPHY

In this work InfraRed Thermography (IRT) has been applied to investigate the health status of patients with Parkinson's Disease (PD). 40 subjects have been monitored, acquiring IR images of their hands, feet, and faces. The first results highlight as IRT is able to identify trigger points and areas of hy-

per- and hypothermia distributed on the skin surface and muscle bundles. This could provide the extrapolation and classification of specific medical information for a continuous monitoring activity and an early diagnosis.