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Nota di contenuto	<p>Proceedings of the 1998 2nd International Conference Biomedical Engineering Days -- Nonlinear identification methods for modeling biomedical systems -- Chaos in the heart: signals and models -- Bioimpedance monitoring of pulsed magnetic therapy -- Computer supported Pourcelot's resistance index and S/D ratio measurement of blood flow -- Antitumor effects of single and multiple electrochemotherapy on B16 melanoma -- Suppression of the sensory conflict status using biofeedback information channel -- Time-scale modification of speech signals for language-learning impaired children -- A noise reduction algorithm in ECG signals using wavelet transform -- Estimation of systolic blood pressure from the second heart sounds -- Artificial neural networks in chemotype analysis of <i>Cryptococcus neoformans</i> -- Reflex changes of heart rate during very slow (&lt;0.04 Hz) changes of lung volume -- Classification of P300 component in single trial event related potentials -- The design and simulation of OTA-based neuron model for artificial neural networks -- An RBF approach to single trial VEP estimation -- Fuzzy relation matrix and fuzzy Max-Min operation for biomedical signal classification -- Wavelet-based signal reconstruction for quadrature signals in Doppler ultrasound -- Mechanisms of pacing during diastolic depolarization in a modeled sinoatrial node cell -- Monte Carlo simulation of Nd:YAG laser fluence distribution in human tissue -- Electromagnetic fields induced in human bodies due to unbalanced power lines -- Hematocrit dependence of the Cole-Cole parameters of human blood -- Computation of electric field induced currents on human body standing</p>

under a high voltage transmission line by using charge simulation method -- The effect of the 50 Hz frequency sinusoidal magnetic field on the stress-related behavior of rats -- The effect of electromagnetic field with a frequency of 144 MHz on the blood parameters and behavior of rats -- Automated extraction of nuclear boundaries -- Measurement of patient setup errors using digitally reconstructed radiographs and electronic portal images -- Fuzzy discrimination of MCC and fat in breast transmissive ultrasound CT images -- Maximal RF energy storage in a probe of clinical MR tomograph using the system of flexible solenoids -- Line scan CPMG technique for studies of exercised muscle -- A finite element method based neural network technique for image reconstruction in electrical impedance imaging -- Comparison between AVI and MPEG compression of echocardiographic sequences -- Tissue temperature monitoring using magnetic resonance imaging -- Hydroxyapatite implantation at tooth extraction sites -- Production of hydroxylapatite reinforced polymer composites for biomedical applications -- A suture-tissue pullout model in the rat abdominal wall -- Knot holding capacity of sliding knots under dry and in vivo conditions -- Application of Taguchi method on the improvement of haemodialysis quality -- Quality of water used in water treatment systems for hemodialysis -- Time-frequency analysis of model-based ventricular late potentials -- Clustering analysis of respiratory crackles -- Otoacoustic emission acquisition using adaptive noise cancellation techniques -- A method for removing low varying frequency trend from ECG signal -- Authors index.

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