

### **Biomedical engineering education and professional accreditation in Estonia**

**Meigas, Kalju; Hinrikus, Hiie** Medical & biological engineering & computing 1999 / Suppl. 1, Proceedings of the 11th Nordic-Baltic Conference on Biomedical Engineering, June 6-10, 1999, Tallinn, Estonia, p. 146-148

### **Comparison of different heart rate reconstruction algorithms for rate adaptive cardiac pacing**

**Lass, Jaanus; Hinrikus, Hiie; Meigas, Kalju; Kaik, Jüri** Medical & biological engineering & computing 1999 / Suppl. 2, Proceedings of the European Medical & Biomedical Engineering Conference : EMBEC'99 : November 4-7, 1999, Vienna, Austria. Part 2, p. 1282-1283

### **Comparison of ECG QT interval and monomorphic action potential duration dynamicity at heart rate variations**

**Meigas, Kalju; Hinrikus, Hiie** Medical & biological engineering & computing 1997 / Part 1, World Congress on Medical Physics and Biomedical Engineering : XVIII International Conference on Medical and Biological Engineering and XI International Conference on Medical Physics, September 14-19, 1997, Nice, France, p. 435

### **DSP-based device for multi-frequency bio-impedance measurement**

**Märtens, Olev** Medical & biological engineering & computing 1999 / Suppl. 1, Proceedings of the 11th Nordic-Baltic Conference on Biomedical Engineering : NBCBME'99 : June 6-10, 1999, Tallinn, Estonia, p. 165-170

### **ECG QT interval dispersion assessment to identify the sudden death risk of patients with various heart diseases**

**Kaik, Jüri; Meigas, Kalju; Lass, Jaanus; Kaik, Veera** Medical & biological engineering & computing 1999 / Suppl. 1, Proceedings of the 11th Nordic-Baltic Conference on Biomedical Engineering, June 6-10, 1999, Tallinn, Estonia, p. 240-241

### **Implementation of surface EMG for rehabilitation studies**

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### **Intracardiac bio-impedance measurement for cardiac rhythm control**

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### **Joint Baltic biomedical engineering and physics courses**

**Dekhtyar, Yuri; Hinrikus, Hiie; Katashev, Alexei; Kingisepp, Peet-Henn; Lukosevicius, Arunas; Meigas, Kalju; Öberg, Ake; Soosaar, Andres; Spigulis, Janis; Tabakov, Slavik** Medical & biological engineering & computing 1999 / Suppl. 1, Proceedings of the 11th Nordic-Baltic Conference on Biomedical Engineering, June 6-10, 1999, Tallinn, Estonia, p. 144-145

### **Linear dependence of myocardium oxygen consumption on stress-strain area predicted by cross-bridge model**

**Vendelin, Marko; Bovendeerd, Peter; Arts, Theo; Engelbrecht, Jüri; Campen, Dick H. van** Medical & biological engineering & computing 1999 / Suppl. 1, Proceedings of the 11th Nordic-Baltic Conference on Biomedical Engineering, June 6-10, 1999, Tallinn, Estonia, p. 63-66: ill

### **Low-level microwave field effects on living systems**

**Hinrikus, Hiie** Medical & biological engineering & computing 1999 / Suppl. 1, Proceedings of the 11th Nordic-Baltic Conference on Biomedical Engineering, June 6-10, 1999, Tallinn, Estonia, p. 45-49

### **Medical physics in joint Baltic courses**

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### **Microwave radiometric system for exploration of breast cancer tumors**

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### **Modelling of heart rate, based on measured physiological parameters for rate adaptive cardiac pacing**

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### **Modulated microwave effects on EEG alpha-waves**

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**Non-linear analysis of the electro-encephalogram for detecting effects of low-level electromagnetic fields**

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**Reproducibility of non-invasive parameters which reflect cardiac ventricular repolarization prolongation and inhomogeneity**

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**Sensitivity of platelets to PAF in patients with coronary artery disease**

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