

Arterial pulse waveform dependence on applied pressure

Pilt, Kristjan; Meigas, Kalju; Viigimaa, Margus; Kaik, Jüri; Kattai, Rain; Karai, Deniss BEC 2010 : 2010 12th Biennial Baltic Electronics Conference : proceedings of the 12th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 4-6, 2010, Tallinn, Estonia 2010 / p. 277-280 : ill

Blood flow detection with diode laser

Meigas, Kalju; Hinrikus, Hiie; Kattai, Rain; Lass, Jaanus Medical physics 2000 / 6, [CD-ROM], Digest of Papers of the 2000 World Congress on Medical Physics and Biomedical Engineering and [...] : Chicago 2000 : July 23-28, 2000, Chicago's Navy Pier, [3] p. : ill

Calculation of pulse wave transit time and its correlation with blood pressure using different physiological signals [Electronic resource]

Meigas, Kalju; Lass, Jaanus; Kattai, Rain; Karai, Deniss; Kaik, Jüri Proceedings of World Congress on Medical Physics and Biomedical Engineering, Sidney, Australia, 2003 2003 / [4] p. [CD-ROM]

Can pulse wave transit time as a control parameter be used for rate adaptive cardiac pacing?

Lass, Jaanus; Hinrikus, Hiie; Meigas, Kalju; Kattai, Rain; Kaik, Jüri Proceedings of 2nd European Medical & Biological Engineering Conference EMBE'02. 1 2002 / p. 636-637

Coherent photodetection as a non-invasive method in medical diagnostics

Meigas, Kalju; Hinrikus, Hiie; Kattai, Rain; Lass, Jaanus Biomedical Research and Industrial Participation in Europe : Trends and Future, April 27-28, 1998, Brussels / ESEM 1998 / p. 10

Coherent photodetection for pulse profile registration

Meigas, Kalju; Hinrikus, Hiie; Kattai, Rain; Lass, Jaanus Proceedings of Coherence Domain Optical Methods in Biomedical Science and Clinical Applications III : 27-29 January, 1999, San Jose, California 1999 / p. 195-202: ill

Comparison of signals of pulse profile as skin surface vibrations, PPG and Doppler spectrogram for continuous blood pressure monitoring

Meigas, Kalju; Kattai, Rain; Nigul, Mait; Lass, Jaanus Proceedings of 2nd European Medical & Biological Engineering Conference EMBE'02. 1 2002 / p. 510-511

Continuous blood pressure monitoring during exercise using pulse wave transit time measurement

Lass, Jaanus; Meigas, Kalju; Karai, Deniss; Kattai, Rain; Kaik, Jüri; Rossmann, Mart Proceedings of the 26th Annual International Conference of the IEEE EMBC : San Francisco, CA, USA, September 1-5, 2004 2004 / p. 2239-2242 : ill

Continuous blood pressure monitoring using method of optical self-mixing

Meigas, Kalju; Lass, Jaanus; Kattai, Rain Workshop on Biomedical Information Engineering : 25-27 June, 2000, Istanbul - Turkey : proceedings 2000 / p. 97-100 : ill

Continuous blood pressure monitoring using pulse wave delay

Meigas, Kalju; Kattai, Rain; Lass, Jaanus 2001 Conference Proceedings of the 23rd Annual International Conference of the IEEE Engineering in Medicine and Biology Society : 25-28 October 2001, Istanbul, Turkey. Vol. 4 2001 / p. 3171-3174 : ill

Device for continuous blood pressure measurements

Meigas, Kalju; Lass, Jaanus; Karai, Deniss; Kattai, Rain; Kaik, Jüri NBC'05 UMEA : 13th Nordic Baltic Conference on Biomedical Engineering and Medical Physics : June 13th-17th, 2005, Umea, Sweden 2005 / p. 164-165 : ill

Laser-doppler method for suspension flow detection using optical self-mixing in a diode laser

Meigas, Kalju; Hinrikus, Hiie; Kattai, Rain; Lass, Jaanus Physica medica 1999 / 3, p. 190

Method and device for beat-to-beat blood pressure measurements [Electronic resource]

Meigas, Kalju; Lass, Jaanus; Karai, Deniss; Kattai, Rain; Kaik, Jüri IFMBE proceedings 2005 / [6] p. [CD-ROM]

Method of optical self-mixing for pulse wave transit time measurement in comparison with other methods and correlation with blood pressure

Meigas, Kalju; Lass, Jaanus; Kattai, Rain; Karai, Deniss; Kaik, Jüri Coherence Domain Optical Methods and Optical Coherence Tomography in Biomedicine VIII : 26-28 January 2004, San Jose, California, USA 2004 / p. 444-453 : ill

[https://www.spiedigitallibrary.org/conference-proceedings-of-spie/5316/1/Method-of-optical-self-mixing-for-pulse-wave-transit-time/10.1117/12.524273.full#_ =](https://www.spiedigitallibrary.org/conference-proceedings-of-spie/5316/1/Method-of-optical-self-mixing-for-pulse-wave-transit-time/10.1117/12.524273.full#_=)

Non-contact measurement of skin vibrations induced by blood pressure

Meigas, Kalju; Lass, Jaanus; Kattai, Rain Automatika : ATKAAF 1999 / 1/2, p. 31-35 : ill

Optical and electrical methods for pulse wave transit time measurement and its correlation with arterial blood pressure

Lass, Jaanus; Meigas, Kalju; Kattai, Rain; Karai, Deniss; Kaik, Jüri; Rossmann, Mart Proceedings of the Estonian Academy of Sciences. Engineering 2004 / 2, p. 123-136 : ill

Optical method for pulse wave velocity and pulse profile registration

Meigas, Kalju; Hinrikus, Hiie; Kattai, Rain; Lass, Jaanus 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. 924-925: ill

Optical self-mixing as a method for blood flow detection

Kattai, Rain; Meigas, Kalju; Lass, Jaanus Biomedical Engineering : proceedings of International Conference, Kaunas, 22-23 October, 1998 1998 / p. 5-8: ill

Optical Self-mixing in a diode laser as a method for no touch pulse measurement

Meigas, Kalju; Hinrikus, Hiie; Lass, Jaanus; Kattai, Rain VIII Mediterranean Conference on Medical and Biological Engineering and Computing : Medicon'98, June 14-17, 1998, Lemesos, Cyprus : final programme and abstracts of papers 1998 / p. 184

Optical Self-mixing in a diode laser as a method for no touch pulse measurement

Meigas, Kalju; Hinrikus, Hiie; Lass, Jaanus; Kattai, Rain VIII Mediterranean Conference on Medical and Biological Engineering and Computing : Medicon'98, June 14-17, 1998, Lemesos, Cyprus : [proceedings : CD-ROM] 1998 / [6] p. : ill

Optimising of signal processing parameters in cardiovascular diagnostics

Meigas, Kalju; Kattai, Rain; Lass, Jaanus Medicon 2001 : IX Mediterranean Conference on Medical and Biological Engineering and Computing : June 12-15, 2001, Pula, Croatia : [proceedings]. Part I 2001 / p. 328-331 : ill

Pulse parameters registration using self-mixing in a diode laser as optical coherent method

Meigas, Kalju; Kattai, Rain; Lass, Jaanus Medical & biological engineering & computing 1999 / Suppl. 1, Proceedings of the 11th Nordic-Baltic Conference on Biomedical Engineering, June 6-10, 1999, Tallinn, Estonia, p. 93-96: ill

Pulse profile registration using self-mixing in diode laser

Meigas, Kalju; Hinrikus, Hiie; Lass, Jaanus; Kattai, Rain Proceedings of the 20th Annual International Conference of the IEEE Engineering in Medicine and Biology Society. Vol. 20, no. 4, Biomedical Engineering Towards the Year 2000 and Beyond : Hong Kong SAR, China, October 29-November 1, 1998 1998 / p. 1875-1878 : ill

Pulse wave time delay for blood pressure monitoring

Meigas, Kalju; Kattai, Rain; Lass, Jaanus 12th Nordic Baltic Conference on Biomedical Engineering and Medical Physics : 12NBC 2002, June 18th-22nd, Reykjavik, Iceland 2002 / p. 54-55 : ill

Self-mixing in a diode laser as a method for cardiovascular diagnostics

Meigas, Kalju; Hinrikus, Hiie; Kattai, Rain; Lass, Jaanus Journal of biomedical optics 2003 / 1, p. 152-160

Self-mixing in a diode laser as a method for coherent photodetection

Meigas, Kalju; Hinrikus, Hiie; Lass, Jaanus; Kattai, Rain Proceedings of the Estonian Academy of Sciences. Engineering 1998 / 4, p. 307-316

Simple coherence method for blood flow detection

Meigas, Kalju; Hinrikus, Hiie; Kattai, Rain; Lass, Jaanus Coherence Domain Optical Methods in Biomedical Science and Clinical Applications IV : 24-26 January, 2000, San Jose, California 2000 / p. 112-120 : ill <https://www.spiedigitallibrary.org/conference-proceedings-of-spie/3915/0000/Simple-coherence-method-for-blood-flow-detection/10.1117/12.384147.short>

Simple laser-diode device for particles suspension flow detection

Kattai, Rain; Meigas, Kalju; Lass, Jaanus Medical & biological engineering & computing 1999 / Suppl. 1, Proceedings of the 11th Nordic-Baltic Conference on Biomedical Engineering, June 6-10, 1999, Tallinn, Estonia, p. 313-314: ill

Skin surface vibration measurement by optical self mixing in a diode laser

Meigas, Kalju; Lass, Jaanus; Kattai, Rain 8th International IMEKO Conference on Measurement in Clinical Medicine Biomedical Measurement and Instrumentation & 12th International Symposium on Biomedical Engineering, Dubrovnik, Croatia, September 16-19, 1998 : proceedings 1998 / p. 2.42-2.45: ill