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**Veröffentlichungsliste /
*Publications and Talks***

2005

Artikel in Zeitschriften mit anonymem Gutachterwesen / *Papers in peer-reviewed Journals*

- [1] S. Leonhardt, W.-I. Steudel und M. Walter, „**Automatisierungstechnik für die Medizin**“, editorial, at - *Automatisierungstechnik*, Vol. 53, Nr. 12, pp. 571-572, 2005.

Konferenzbeiträge / *Conference Proceedings*

- [1] T. Leibecke, T. Meier, M. Grossherr, C. Eckmann, H. Gehring, S. Leonhardt and T. Helmberger, „**Monitoring von pulmonalen Ventilationsstörungen mit der funktionellen Elektro-Impedanztomographie - eine tierexperimentelle Studie**“, 86. Röntgenkongress, Berlin, 4.-7. Mai 2005.
- [2] H. Luepschen, T. Meier, M. Grossherr, T. Leibecke, H. Gehring, S. Leonhardt, „**Clinical Applications of Thoracic Electrical Impedance Tomography**“, 6th Conference on Biomedical Applications of Electrical Impedance Tomography, Department of Medical Physics and Bioengineering, University College London, UK, June 22nd -24th, 2005.
- [3] M. Walter, S. Jetzki and S. Leonhardt, „**A Model for Intracranial Hydrodynamics**“, 27th Annual International Conference IEEE Engineering in Medicine and Biology Society, Shanghai, China, Sep. 1st - 4th, 2005.
- [4] M. Steffen and S. Leonhardt, „**Non-Contact Monitoring of Heart and Lung Activity by Magnetic Impedance Measurement**“, 39th Annual Congress of the German Society for Biomedical Engineering (BMT 2005), Nürnberg, 14.-17. Sep. 2005.
- [5] M. Steffen, H. Lupschen and S. Leonhardt, „**Synchronous Long-Term-Logging of Biosignals from Distributed Sensor Networks**“, 39th Annual Congress of the German Society for Biomedical Engineering (BMT 2005), Nürnberg, 14.-17. Sep. 2005.
- [6] H. Lupschen, T. Meier, T. Leibecke, M. Grossherr, H. Gehring and S. Leonhardt, „**Automatic Identification of Lung Properties in ARDS patients**“, 39th Annual Congress of the German Society for Biomedical Engineering (BMT 2005), Nürnberg, 14.-17. Sep. 2005.
- [7] S. Jaeschke, H. Lupschen and S. Leonhardt, „**Synchronous Test Setup for Continuous, Non-Invasive Arterial Blood Pressure Measurement via Pulse Transit Time Analysis**“, 39th Annual Congress of the German Society for Biomedical Engineering (BMT 2005), Nürnberg, 14.-17. Sep. 2005.

- [8] S. Jetzki, G. Medrano and S. Leonhardt, "**Analysis and Monitoring of Intracranial Pressure**", *39th Annual Congress of the German Society for Biomedical Engineering (BMT 2005)*, Nürnberg, 14.-17. Sep. 2005.
- [9] S. Jetzki, S. Heggen, M. Walter and S. Leonhardt, "**Controlled External Liquor-Drainage**", *39th Annual Congress of the German Society for Biomedical Engineering (BMT 2005)*, Nürnberg, 14.-17. Sep. 2005.
- [10] J. Karsten, A. Jedmowski, M. Großherr, C. Eckmann, S. Leonhardt and T. Meier, "**Detection of ventilation by electrical impedance tomography during laparoscopic cholecystectomy in obese and non-obese patients**", *16th Annual Meeting of the European Society for Computing and Technology in Anaesthesia and Intensive Care (ESCTAIC)*, Aarlborg, Denmark, 7th - 10th September 2005.
- [11] H. Lüpschen, T. Meier, M. Grossherr, T. Leibecke and S. Leonhardt, "**Optimization of Artificial Ventilation Therapy based on Automatic Identification of Lung Properties**", *3^d European Medical & Biological Engineering Conference (EMBEC'05)*, Prague, Nov. 20th-25th, 2005.