

PUBLICATIONS

1. L. Tóth, Á. Vas, R. Török, G. Nagy, I. Póser, J. Végh, Experimental Ultrasound CT, Preliminary investigations for developing ultrasound computer tomography device by using National Instruments PXI measurement system, *NI Education and Research Days 2010*, April 22, 2010, Budapest, Hungary (presentation)
2. Vas Á., Török R., Tóth L., Nagy G., Póser I., Végh J., Experimental Ultrasound-CT I-II. – Measurement and signal processing, Image processing, *XX. International Conference on Computer Science*, October 7-10, 2011, Satu Mare, Romania (presentation)
3. Vas Á., Török R., Experimental Ultrasound-CT, *Conference of Students' Scientific Association, University of Debrecen, Faculty of Informatics, November 18*, (paper, presentation, 3rd award)
4. Török R., Vas Á., Experimental Ultrasound-CT, *NI Students' Competition 2010*, December 17, 2010 (paper, 4th award)
5. Vas Á., Török R., Experimental Ultrasound-CT, *National Conference of Students' Scientific Association, Section of Information Science, Pázmány Péter Catholic University, Faculty of Information Technology and Bionics*, April 12-20, 2011, Budapest, Hungary (paper, presentation)
6. L. Tóth, Á. Vas, R. Török, G. Nagy, I. Póser, J. Végh, Preliminary Studies for Developing a Device for Ultrasound Computed Tomography based upon National Instruments PXI, *National Instruments Case Study Booklet Eastern Europe*, pp. 77-80 (2011)
7. Á. Vas, R. Török, L. Tóth, Filtering false intersections on tomographic images based on intensity- and time-of-flight-changes, *University of Debrecen, Faculty of Informatics, Preprints No. 394 (Technical Reports No. 3/2012.)*
8. Á. Vas, Á. Fazekas, G. Nagy, B. Lehotai, L. Tóth, Microcontroller-based network for meteorological sensing and weather forecast calculations. *Carpathian Journal of Electronic and Computer Engineering*, Volume 5, pp. 139-142, 2012
9. Á. Vas, Á. Fazekas, G. Nagy, L. Tóth, Distributed Sensor Network for meteorological observations and numerical weather Prediction Calculations (DSN-PC), *Carpathian Journal of Electronic and Computer Engineering*, Volume 6, Issue 1, pp. 56-63, 2013
10. Á. Vas, E. László, L. Tóth, Investigation of the effects of inversion layers on the estimation of the height of 500 hPa geopotential height based on surface-level measurements (in preparation)