

PUBLICATION LIST OF ASSOC. PROF. DR. ALEKSANDAR GEORGIEV

Seasonal Ground Heat Accumulation and Ground Source Heat Pumps:

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3. Y. Kartelov, A. Georgiev, S. Tabakova, P. Roth, A. Busso. Consideration of the Ground Thermal Properties Determination as a Base of Soil Accumulation. **Thermo technics for the mode of life**, N° 5, 2003, p. 9 – 12 (in Bulgarian).
4. S. Barzilova, A. Georgiev, S. Tabakova. Ground source heat pump systems and the supporting Thermal Response Test. **Journal of the Technical Univ. at Plovdiv**, "Fundamental Sciences and Applications", Vol. 13, 2006.
5. Georgiev, A., Ortiz, A., Roth, P. Underground Thermal Energy Storage - Chilean Experience. Proceedings of **World Renewable Energy Congress-VII 2002, Germany, Cologne**, 29 June - 5 July, 2002, 05_N39.pdf.
6. Ortiz, A., Georgiev, A., Roth, P. Ground Thermal Properties Study for BTES Applications - World and Chilean Review. Proceedings of **Int. Solar Energy Congress "Sun at the End of the World"**, Chile, Valparaíso, 28 - 31 October, 2002.
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Sun following systems and corresponding measurements:

1. R. Cordero, P. Roth, A. Georgiev, L. DaSilva. Climatology of surface ultraviolet-radiation at Valparaiso, Chile. **"Energy Conversion and Management"**, 2005, V. 46 (18-19) p. 2907–2918.
2. Roth, P., Georgiev, A., Boudinov, H. Cheap two-axis sun-following device. **"Energy Conversion and Management"**, 2005, V. 46 (7-8) p. 1179-1192.
3. A. Georgiev, Roth, P., Olivares, A. Sun Following System Adjustment in UTFSM. **"Energy Conversion and Management"**, 2004, V. 45 (11-12) p. 1795-1806.
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5. R. Popov, A. Georgiev, M. Pamukchiev, Y. Skerletov, T. Kinova. Controller for direction of a sun-tracker. "Journal of the Technical Univ. at Plovdiv" (in Bulgarian).
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- 2. A. Georgiev.** Mathematical Modeling of Vacuum Solar Collector with Heat Pipe and Flat Plate Absorber. „**Brennstoff, Wärme, Kraft**“ (**BWK**), 1993, N° 12, p.527-534 (in German).
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- 5. Georgiev, A.** Mathematical modelling of a System Vacuum Solar Collectors - Warm Water Storage. *Journal of the Technical Univ. at Plovdiv, 5B*, 1997, p.71-80.
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