

Upper Rhine Cluster for Sustainability Research

Researchers Profil

Name, Position & Affiliation

Leonhard Reindl

Professor

University of Freiburg



Expertise in relation to the topics of the URCforSR (include max. 3 related and recent publications)

Gamm, G. U., Sippel, M., Kostic, M., & Reindl, L. M. (2010, December). Low power wake-up receiver for wireless sensor nodes. In *Intelligent Sensors, Sensor Networks and Information Processing (ISSNIP), 2010 Sixth International Conference on* (pp. 121-126). IEEE.

Reindl, L., Scholl, G., Ostertag, T., Scherr, H., Wolff, U., & Schmidt, F. (1998). Theory and application of passive SAW radio transponders as sensors. *IEEE transactions on ultrasonics, ferroelectrics, and frequency control*, 45(5), 1281-1292.

Freunek, M., Müller, M., Ungan, T., Walker, W., & Reindl, L. M. (2009). New physical model for thermoelectric generators. *Journal of electronic materials*, 38(7), 1214-1220.

Special Interests in the topics of the URCforSR

Wireless Sensor Networks for

- *monitoring of sustainable power production and distribution systems*
- *Building automation*
- *Smart living*
- *Smart metering*
- *Assisted living*

What you are searching for regarding the cooperation within the URCforSR

I'm searching for interdisciplinary cooperation with universities and research institutions in the direction of sustainable growth and sustainable power supply. Use of smart wireless sensor networks for: monitoring of sustainable power production and distribution systems, assisted living, and smart homes and building automation.