

# Upper Rhine Cluster for Sustainability Research

## Researchers Profil

Name, Position & Affiliation

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*Leonhard Reindl*

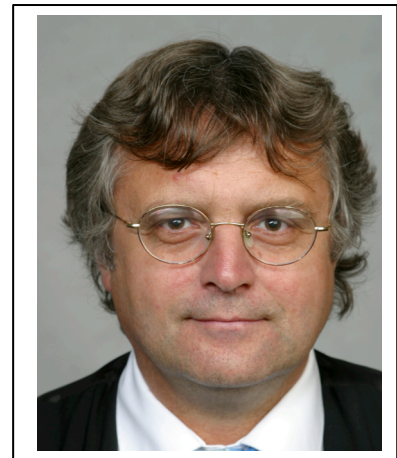
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*Professor*

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*University of Freiburg*

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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.*