

Upper Rhine Cluster for Sustainability Research

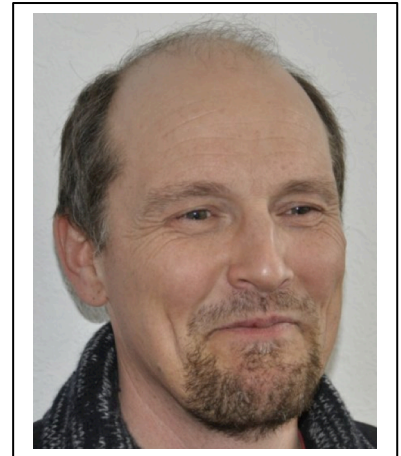
Researchers Profil

Name, Position & Affiliation

Alain Dieterlen

Pr.

Laboratoire MIPS UHA



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

*Specialized in signal and image processing, applications:
3D optical microscopy, fluorescence quantification, deconvolution and shape analysis
Non-intrusive load monitoring for energy consumption analysis.*

*P. Garra, C. Maschowski, C. Liaud, A. **Dieterlen**, G. Trouvé, S. Le Calvé, J. Jaffrezo, G. Leyssens, C. Schönnenbeck, S. Kohler & R. Gieré, "Fluorescence Microscopy Analysis of Particulate Matter from Biomass Burning: Polyaromatic Hydrocarbons as Main Contributors", Aerosol Science and Technology, DOI:10.1080/02786826.2015.1107181*

*A. Moukadem, Z. Bouguila, D. Ould Abdeslam, **A. Dieterlen**, A new optimized Stockwell transform applied on synthetic and real non-stationary signals, Digital Signal Processing, Volume 46, Pages 226–238, November 2015*

*P. Gemayel, B. Colicchio, A. Dieterlen, P. Ambs
"Cross-talk compensation of a spatial light modulator for iterative phase retrieval applications", Applied Optics, Vol. 55, No. 4, February, 2016, doi.org/10.1364/AO.55.000802*

Special Interests in the topics of the URCforSR

Analysis techniques for durability topics

What you are searching for regarding the cooperation within the URCforSR

New collaborations, network enlargement and organization of the durability cluster