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## Employment

### Research outputs

#### **UWBCarGraz Dataset for Car Occupancy Detection using Ultra-Wideband Radar**

Möderl, J., Posch, S., Pernkopf, F. & Witrissal, K., 26 Jan 2024, (Accepted/In press) *2024 IEEE Radar Conference (RadarConf24)*. 6 p.

#### **UWBCarGraz Dataset**

Möderl, J., Posch, S., Pernkopf, F. & Witrissal, K., 20 Nov 2023

#### **Variational Message Passing-based Respiratory Motion Estimation and Detection Using Radar Signals**

Möderl, J., Leitinger, E., Pernkopf, F. & Witrissal, K., 7 Jun 2023, *ICASSP 2023 - 2023 IEEE International Conference on Acoustics, Speech and Signal Processing, Proceedings*. 5 p. (ICASSP, IEEE International Conference on Acoustics, Speech and Signal Processing - Proceedings; vol. 2023-June).

#### **Fast Variational Block-Sparse Bayesian Learning**

Möderl, J., Pernkopf, F., Witrissal, K. & Leitinger, E., 1 Jun 2023, (Submitted) In: *IEEE Transactions on Signal Processing*.

#### **Variational Inference of Structured Line Spectra Exploiting Group-Sparsity**

Möderl, J., Pernkopf, F., Witrissal, K. & Leitinger, E., 6 Mar 2023, (Submitted) In: *IEEE Transactions on Signal Processing*.

#### **Car Occupancy Detection Using Ultra-Wideband Radar**

Möderl, J., Pernkopf, F. & Witrissal, K., 5 Apr 2022, *2021 18th European Radar Conference, EuRAD 2021*. IEEE Xplore, p. 313-316 4 p.

#### **Car Occupant Detection Using Ultra-Wideband Radar**

Möderl, J., Pernkopf, F. & Witrissal, K., 31 May 2021, *3rd Post IRACON Meeting*. 7 p.