The objective of the project “Ohm-Netze” is a further development of the polymer optical fiber (POF) technology for short-reach applications in the range from 1m to 500m transmission distance. The developed technologies and know-how are transferred primarily to cooperating SMEs. Currently, seven regional companies in the field of optics and polymer technology are research partners. The network is open for additional SMEs and emerging topics related to POF and optics. Project duration: 1 July 2016 – 30 June 2020.

**Related publications**

- R. Kruglov et al.: "Gigabit Transmission over Standard POF Beyond 50 m", POF'2018
- J. Vinogradov, et al.: "Free Space and POF based Distance Sensors by Phase Measurements", POF'2018
- J. Vinogradov et al.: "Bidirectional Gigabit POF link based on GaN LED and KDPF Gigabit POF Transceiver", POF'2017
- R. Kruglov et al.: "Efficient WDM Transmission over SI-POF with a 4-channel LED Module", POF'2017

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