

Signal processing for integrated sensor arrays, based on the tunnel magneto-resistive effect for use in automotive electronics (ISAR)

Project management: Prof. Dr.-Ing. Marcus Prochaska

Summary: Magnetic field sensors can help achieve the cost-effective, robust and wear-free positional measurement of mechanical systems, whereby very high accuracy requirements can be fulfilled. To further increase the accuracy and robustness with regard to assembly tolerances, this project will research sensor arrays consisting of built-in magnetic field sensors. In addition, sensor arrays can also be used for determining the 3 dimensional position of a known magnet, e.g. for mechatronic systems..

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Organisational unit: Faculty of Electrical Engineering

Research areas:

GEFÖRDERT VOM



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