

EGAFIT

Business opportunities

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Intention at project start

Further develop Fringe Projection Technique

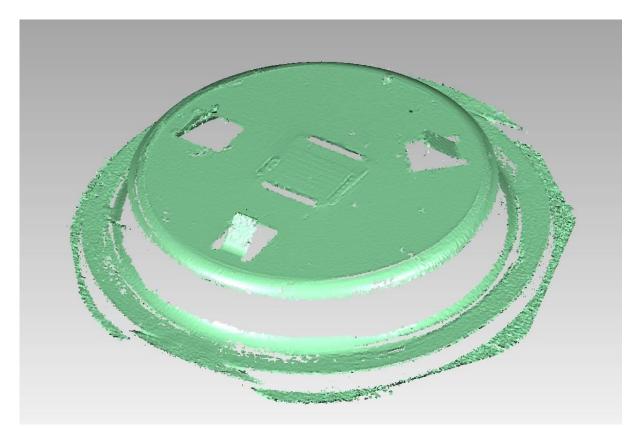
- applicable in production environment
- improve accuracy
- measurement of complex shapes and surfaces
- miniaturization of high-precision camera characterization techniques

Interesting project results



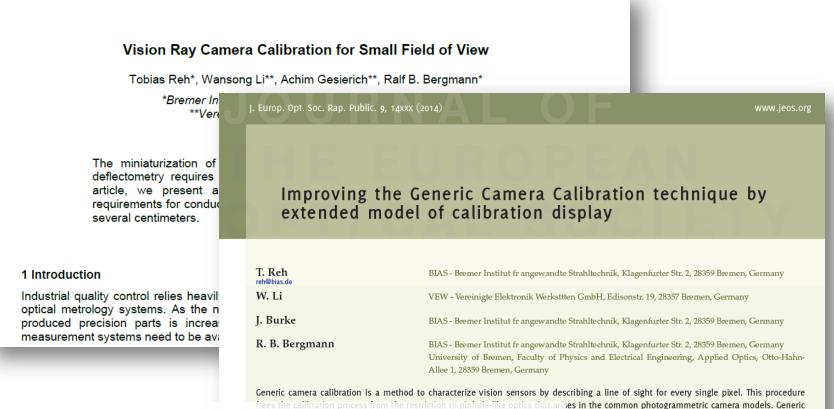
Fringe Projection in Production Environment

Interesting project results



Complex MF demonstrator shape measureable

Interesting project results



Progress on high-precision camera characterization tanses in the common photogrammetric camera models. Generic ons, which is beneficial for high-precision measurement systems. ulating a line of sight for each pixel, active grids are used as sboard patterns. A common implementation of active grids are

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Use of results

- Development of commercial fringe projection systems for the industry
- Acquire research grants based on the achievements
- Integration at Philips in one or more production lines after having reduced the measurement time
- With Philips as pilot acquisition of other customers

Future key research priorities

- Speed improvement (up to 100% in-line measurement)
- Easier recalibration of the setup
- Even further accuracy improvements

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Thank you for your attention!