

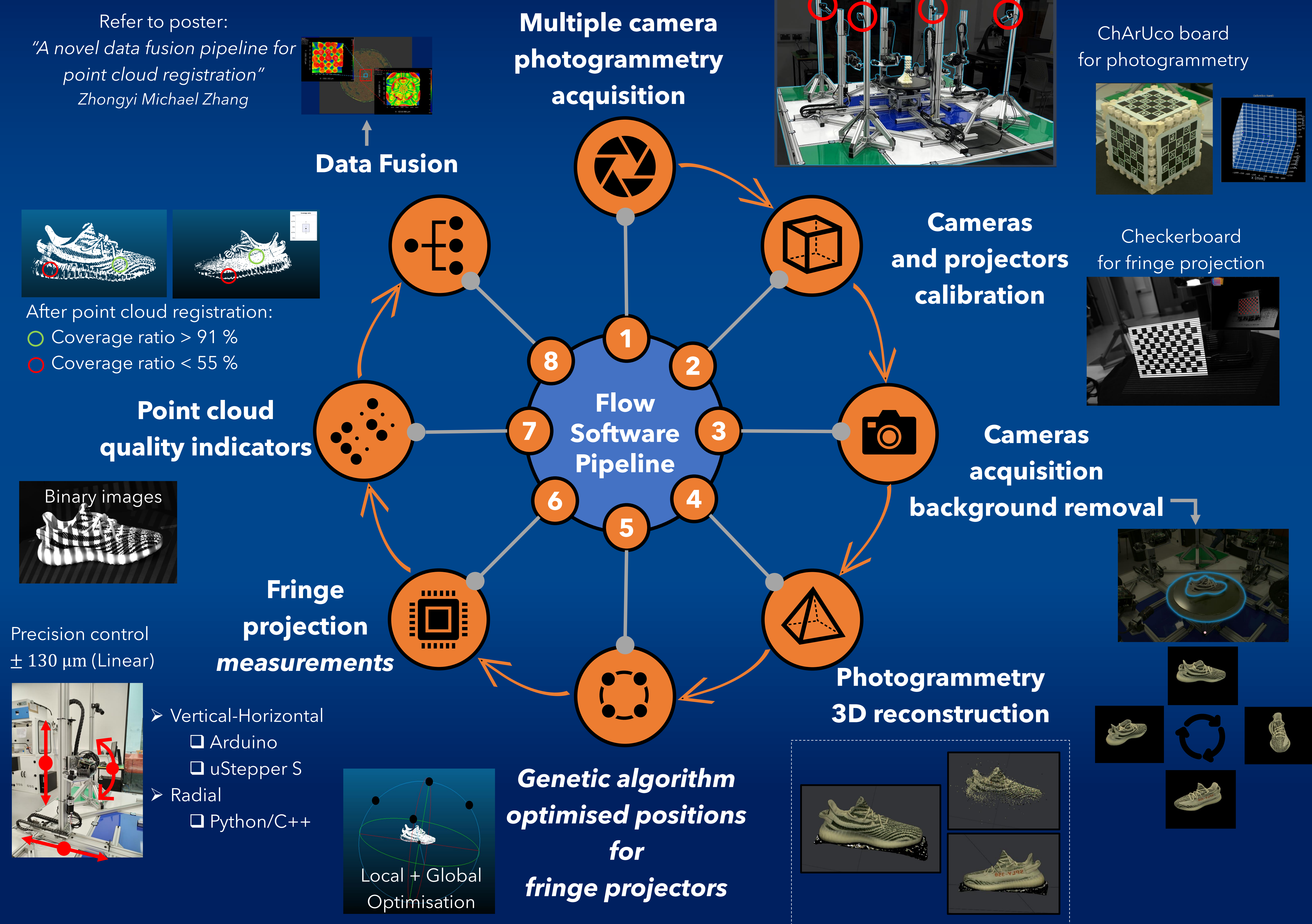
An automated multi-system demonstrator for advanced optical measurements

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Summary

- ✦ Rapid growth in advanced manufacturing requires sophisticated metrology techniques.
- ✦ Optical metrology is crucial for non-destructive and non-contact measurement in various industries.
- ✦ The Manufacturing Metrology Team is developing a demonstrator for advanced optical measurements.
- ✦ The system platform includes photogrammetry, fringe projection, and precise positioning.
- ✦ Ongoing software development aims to enhance measurement speed and automation.

Software pipeline



References:
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 [3] Yang H M, Thompson A, Catalucci S, Branson D T, Piano S. Object extraction and background removal using deep learning in a complex photogrammetric system. *15th International Symposium on Measurement Technology and Intelligent Instruments (ISMTII)*, COEX Seoul South Korea, September 2023.

