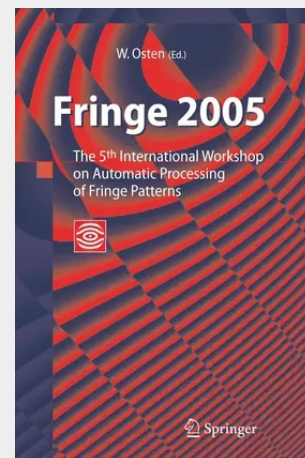


Fringe 2005

The 5th International Workshop on Automatic Processing of Fringe Patterns

In 1989 the time was hot to create a workshop series dedicated to the discussion of the latest results in the automatic processing of fringe patterns. This idea was promoted by the insight that automatic and high precision phase measurement techniques will play a key role in all future industrial applications of optical metrology. However, such a workshop must take place in a dynamic environment. Therefore the main topics of the previous events were always adapted to the most interesting subjects of the new period. In 1993 new principles of optical shape measurement, setup calibration, phase unwrapping and nondestructive testing were the focus of discussion, while in 1997 new approaches in multi-sensor metrology, active measurement strategies and hybrid processing technologies played a central role. 2001, the first meeting in the 21st century, was dedicated to optical methods for micromasurements, hybrid measurement technologies and new sensor solutions for industrial inspection. The fifth workshop takes place in Stuttgart, the capital of the state of Baden-Württemberg and the centre of a region with a long and remarkable tradition in engineering. Thus after Berlin 1989, Bremen 1993, 1997 and 2001, Stuttgart is the third Fringe city where international experts will meet each other to share new ideas and concepts in optical metrology. This volume contains the papers presented during FRINGE 2005.

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