

LIST OF PUBLICATIONS

1. N.Krishna Mohan, **T.Santhanakrishnan**, P.Senthilkumaran and R.S.Sirohi, "Simultaneous Implementation of Leendertz and Duffy's methods for in-plane displacement measurement", *Optics Commun.*, Vol.124, (1996), pp. 235-239.
2. **T.Santhanakrishnan**, N.Krishna Mohan, P.Senthilkumaran, P.K.Palanisamy and R.S.Sirohi, "Multiaperture Speckle Interferometry for Deformation Measurement" *J.Optics*, Vol.25, No.2, (1996).
3. **T.Santhanakrishnan**, N.Krishna Mohan and R.S.Sirohi, "New simple ESPI configurations for deformation studies on large structures based on diffused reference beam" *SPIE Proc.*, Vol. 2861, (1996), pp.257-263.
4. **T.Santhanakrishnan**, N.Krishna Mohan, P.Senthilkumaran and R.S.Sirohi, "Slope change contouring for 3D deeply curved objects by multi-aperture speckle shear interferometry", *Optik.*, Vol.104, No.1, (1996) pp 27-31.
5. R.S.Sirohi, N.Krishna Mohan and **T.Santhanakrishnan**, "A new optical configuration in speckle metrology" *Optics Lett.*, Vol.21, (1996) pp 1958-1959.
6. **T.Santhanakrishnan**, N.Krishna Mohan and R.S.Sirohi, "Oblique observation speckle shear interferometers for slope change contouring", *J. Modern Opt.*, (in Press, accepted).
7. N.Krishna Mohan, **T.Santhanakrishnan** and R.S.Sirohi, "Image plane and In-line speckle interferometry for in-plane displacement measurement" *Optics in Lasers & Engg.* (Communiated).
8. **T.Santhanakrishnan**, N.Krishna Mohan, P.K.Palanisamy and R.S.Sirohi. "Various Speckle interferometric configurations for contouring and slope change measurement", *J. Instrumen. Soc. India*, Special Issue, 1996. (to be appeared).

PAPERS PRESENTED AT INTERNATIONAL CONFERENCES / SYMPOSIA

1. **T.Santhanakrishnan**, N.Krishna Mohan and R.S.Sirohi, "New simple ESPI configurations for deformation studies on large structures based on diffused reference beam", Presented at the SPIE's International symposium on Optical Science, Engineering and Instrumentation held at Denver, U.S.A, August 4-9, 1996.

2. **T.Santhanakrishnan**, N.Krishna Mohan, P.K.Palanisamy and R.S.Sirohi, "Various speckle interferometric configurations for contouring and slope change measurement", Presented at the International Conference on Instrumentation (ICI-1996) held at Indian Institute of Science, Bangalore during 8-10 August 1996.

PAPERS PRESENTED AT NATIONAL CONFERENCES / SYMPOSIA

1. **T.Santhanakrishnan**, N.Krishnana Mohan, P.Senthilkumaran, P.K.Palanisamy and R.S.Sirohi, "Multiaperture Speckle Interferometry for Deformation Measurement" Presented at the XXII OSI Symposium on Optical & Opto-electronic Instrumentation held at CSIO, Chandigarh, 1995.
2. **T.Santhanakrishnan**, N.Krishnana Mohan, P.K.Palanisamy and R.S.Sirohi, "Measurement of slope changes of a curved object using multi-aperture speckle shear interferometry" Presented at the XXIII OSI Symposium on Optics & Opto-electronics held at IRDE, Dehra Dun, during, March 14-16, 1996.
3. **T.Santhanakrishnan**, N.Krishnana Mohan, P.K.Palanisamy and R.S.Sirohi, "Diffused reference ESPI for thermal deflection measurement" presented at the Symposium on Laser Applications in Materials Science and Industry (LAMI-97) held at IGCAR, Kalpakkam during February 26-28, 1997.
4. **T.Santhanakrishnan**, N.Krishnana Mohan, P.K.Palanisamy and R.S.Sirohi, "Contouring on three dimensional objects using speckle interferometry" presented at the Symposium on Laser Applications in Materials Science and Industry (LAMI-97) held at IGCAR, Kalpakkam during February 26-28, 1997.
5. **T.Santhanakrishnan**, N.Krishnana Mohan and R.S.Sirohi, "Two novel optical configurations for in-plane displacement measurement in speckle interferometry" presented at the XXIV OSI Symposium on Optics and Optoelectronics held at Calcutta University, Calcutta during January 30 - February 1, 1997.