

## 2004 PUBLICATIONS

### Optical Instrumentation and NDE Branch

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#### Publications for 2004

1. “Optical Levitation of Microscale Particles in Air as a Precursor to Optical Trapping in a Vacuum Environment,” Susan Y. Wrbanek. Presentation to Great Lakes Photonics Symposium, Cleveland OH, June 2004. Wernet, M. P., ‘Planar Particle Imaging Doppler Velocimetry, a 3-Component Measurement Technique’, AIAA-2004-0022, 42nd AIAA Aerospace Sciences Meeting, Reno, NV, 2004.
2. Abdul-Aziz, A., and George Baaklini ”Probabilistic Analysis of a Gas Turbine Engine Disk For Spin Test Applications “The 45th AIAA/ASME/ASCE/AHS/ASC Structures, Structural Dynamics & Materials Conference to be held April 19-22, April 2004, Palm Springs, California.
3. Abdul-Aziz, A., and George Baaklini *Probabilistic Analysis of a Gas Turbine Engine Disk For Spin Test Applications* The 45th AIAA/ASME/ASCE/AHS/ASC Structures, Structural Dynamics & Materials Conference to be held April 19-22, April 2004, Palm Springs, California.
4. Abdul-Aziz, A., James Downey, Louis J. Ghosn and George Y. Baaklini *A CAD Approach to Integrating NDE with Finite Element*; NASA Technical Memorandum, NASA/TM-2004-212904, April 2004.
5. Abdul-Aziz, A., Louis J. Ghosn, George Y. Baaklini, Richard W. Rauser and John D. Zima. “A Combined NDE-Fatigue Testing and Three-Dimensional Image Processing Study of a SiC/SiC Composite System”; Proceedings SPIE’s International Symposium on Nondestructive Evaluation and Health Monitoring of Aerospace Materials and Composites III, Volume 5393, March 16-17, 2004, San Diego, California USA.
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