

Papers Presented at Technical Meetings

1. Jeelani, S. and Bailey, J. A. "Surface Integrity in Machining 18% Nickel Marring Steel", Presented at the 1974 Annual Conference of the Society of Manufacturing Engineering, Dearborn, Michigan, 1974. **SME Technical Paper No. IQ74-185.**
2. Bailey, J. A., Jeelani, S. and Becker, S. E. "Surface Integrity in Machining AISI 4130 Steel", Presented at the ASME Winter Annual Meeting, Nov. 30-Dec. 5, 1975, Houston, Texas. **ASME paper No. 75-WA/Prod -33.**
3. Jeelani, S. and Natarajan, R. "Residual Stresses in Machining Using Finite Element Methods". Presented at the ASME **International Computer Engineering Conference, August 7-11, 1983**, Chicago, Illinois.
4. Jeelani, S. and Natarajan, R. "Determination of Residual Stresses in a Ring Due to Machining". Presented at the 1984 ASME International Computers in Engineering Conference, August 12-17, 1984, Las Vegas, Nevada. **Computers in Engineering, 1984 Vol. 2, pp. 773-777.**
5. Jeelani, S. and Natarajan, R. "Residual Stress Distribution in 2024-T351 Aluminum Alloy". Presented at the 1985, Boston, Massachusetts. **ASME Conference on Computers in Engineering 1986, Vol. 2.2, pp. 59-63.**
6. Jeelani, S. and Biswas, S. "Effect of Curing Conditions on the Strength of Adhesively Bonded Joints". Presented at the **Annual meeting of the Adhesion Society, February 1986**, Charleston, South Carolina.
7. Jeelani, S. and Mazumdar, P. "Stain Localization in Fatigue and the Physical Basis of the Coffin-Mason Relationship". **Presented at the Southeastern Conference on Theoretical and Mechanics (SECTAM)**, April 1986, Columbia, South Carolina.
8. Jeelani, S. and Pilot, D. "A study of Cumulative Fatigue Damage in AISI 4130 Steel and Titanium 6 Al-4V Alloy", Presented at the **1986 NASA-HBCU Forum**, Atlanta, Georgia, April 1986.
9. Jeelani, S. and Mazumdar. xP. "Plastic Deformation – Its Role in Fatigue Crack Propagation". Presented at the **1986 NASA-HBCU Forum**, Atlanta, Georgia, April 1986.
10. Jeelani, S. "Effect of Cutting Speed and Tool Rake Angle on Residual Stress Distribution in Machining 2024-T351 Aluminum Alloy". Presented at the **1986 NASA-HBCU Forum**, Atlanta, Georgia, April 1986.

11. Jeelani, S. and Collins, M. "Effect of Electric Discharge Machining on the Fatigue Life of Inconel 718 Allow". Presented at the **1986 NASA-HBCU Forum**, Atlanta, Georgia, April 1986.
12. Jeelani, S. and Biswas, S. "Effect of Curing Conditions on the Strength of Adhesively Bonded Joints". Presented at the **1986 NASA-HBCU Forum**, Atlanta, Georgia, April 1986.
13. Jeelani, S., Natarajan, R. and Hall, Marcus. "Design of a Sub-Sized Fatigue Specimen". Presented at the **1986 NASA-HBCU Forum**, Atlanta, Georgia, April 1986.
14. Jeelani, S, Natarajan, R. and Reddy, R. G. "Computer Aided Design of a Sub-Sized Fatigue Specimen". Presented at the **1986 ASME International Computers in Engineering Conference**, Chicago, IL, July 20-24, 1986.
15. Jeelani, S. and Collins, M. "Effect of Electric Discharge Machining on the Fatigue Life of Inconel 718 Allow". Presented at the **1986 Fall Meeting of the Metallurgical Society**, October 5-9, 1986 Orlando, FL.
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17. Jeelani, S. "A Sub-Sized Fatigue Specimen". Presented at the **1987 NASA-HBCU Forum**, Atlanta, Georgia, October 1987.
18. Jeelani, S. "An Investigation of Surface Damage in Fatigue Specimens". Presented at the **1987 NASA-HBCU Forum**, Atlanta, Georgia, and October 1987.
19. Jeelani, S. and Collins, M. "Effect of Electric Discharge Machining on the Fatigue Life of Inconel 718". Presented at the **1987 NASA-HBCU Forum**, Atlanta, GA, October 1987.
20. Jeelani, S and Pilot, D. "Residual Stress Distribution in AISI 4130 Steel Due to Machining". Presented at the **1987 NASA-HBCU Forum**, Atlanta, GA, and October 1987.
21. Jeelani, S. and Biswas S. "A DSC Method to Monitor the Presence of Water Absorbed by FM7 Epoxy Adhesive". Presented at the **1987 NASA-HBCU Forum**, Atlanta, GA, October 1987.
22. Jeelani, S. and Jordan, K. "Study of the Integrity of Bond Between Carbon/Phenolic and Graphite/Phenolic Composites", Presented at the **1987 NASA-HBCU Forum**, Atlanta, GA, October 1987.

23. Jeelani, S. "Effect of Grinding on the Fatigue Life of Titanium Alloy (5A1-2.55Sn) Under Dry and Wet Conditions". Presented at the **1989 NASA-HBCU Forum**, Huntsville, AL, March 1989.
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25. Mahfuz, H., Das, P., Baker, D., Jeelani, S. and Johnson, S. "Fatigue and Flexural Response of Advanced Carbon/Carbon Composites at Room and Elevated Temperatures, 16th Annual Conference OF The American Ceramic Society on Composites Materials and Structures, January 12-15, 1992, Cocoa Beach, FL., **Ceramics Engineering and Science Proceedings, Vol. 1, pp.449-468.**
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32. Mahfuz, H., Das, P., Xue, D., Krishnagopalan, J. and Jeelani, S. "A combined Experimental and Finite Study to Predict the Failure Mechanisms in SiC Coated Carbon/Carbon Composites at Room and Elevated Temperatures Under Flexural

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 37. Haque, A., Mahfuz, H., Yu, T. and Jeelani, S. “Effect of Processing Parameters on Property Changes of Resin Transfer Molded Materials”, **25th International SAMPE Conference**, Philadelphia, October 26-28, 1993, Vol. 25, pp. 305-319.
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52. Vaidya, U. K., Mahfuz, H. and Jeelani, S. "Nondestructive Evaluation/Characterization of Hybrid and Sandwich Carbon/Carbon Composites, **19th Annual Conference, American Ceramic Society (AcerS)**, Cocoa Beach, FL, January 8-12, 1995, Vol. 16, No. 4, pp. 289-298.

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