Journal Publications

1. R. Srinivasan, B. Cherukuri, and P.K. Chaudhury, "Scaling up of Equal Channel Angular Pressing (ECAP) for the Production of Forging Stock," Materials Science Forum, Vol. 503-504, pp 371-378, 2006
2. P. K. Chaudhury, B. Cherukuri, and R. Srinivasan, "Scaling up of equal channel angular pressing (ECAP) and its effect on mechanical properties, microstructure, and hot workability of AA 6061," accepted by Materials Science and Engineering A, August 2005
3. B. Cherukuri, T. Nedkova and R. Srinivasan, "A comparison of the properties of SPD processed AA-6061 by equal channel angular pressing (ECAP), multi-axial compressions/forgings (MAC/F) and accumulative roll bonding (ARB)," accepted by Materials Science and Engineering A, August 2005
4. B. Cherukuri and R. Srinivasan, "Properties of AA6061 Processed By Multi-Axial Compressions/Forging (MAC/F)," accepted by Materials and Manufacturing Processes, April 2005
5. R. Srinivasan and P. Chaudhury "Forging Studies with Severe Plastic Deformation Processed Aluminum Alloy 6061," Materials Science Forum, Vol. 426-432, pp. 267-272, 2003
6. R. Srinivasan, "Computer Simulation of the Equal Channel Angular Extrusion (ECAE) Process," Scripta Materialia, Vol. 44, pp. 91-96, 2001.

Conference Proceedings

1. B. Cherukuri, R. Srinivasan, and P. Chaudhury, "Acceleration of Precipitation Process in AA6061 after Severe Plastic Deformation (SPD)," Materials Science & Technology (MS&T) 2005 conference at Pittsburgh PA, September 2005.
2. P. Chaudhury and R. Srinivasan, Material And Energy Savings In Forging With Stock Produced By Severe Plastic Deformation (SPD), Proceedings of the Fall 2002 Forging Industry Association Technical Conference, Cleveland OH

Conference Presentations

1. "Microstructure Evolution In AA 6061 Subject To Severe Plastic Deformation," ASM-TMS Materials Week, October 7-10, 2002, Columbus, Ohio (with Y. Bhambri, S. Indrakanti, and B. Cherukuri)
2. "Deformation Behavior of AA 6061 Subject to Severe Plastic Deformation," ASM-TMS Materials Week, October 7-10, 2002, Columbus, Ohio (with S. Indrakanti, Y. Bhambri, and B. Cherukuri)
3. "Material and Energy Savings in Forging with Stock Produced by Severe Plastic Deformation (SPD)," 24th Forging Industry Technical Conference, October 14-16, 2002 in Cleveland, Ohio (with P. Chaudhury)
4. "Forging Studies with Severe Plastic Deformation Processed Aluminum Alloy 6061," presented at Thermec-2003, Madrid, Spain July 6-11, 2003 (with P. Chaudhury)
5. "Microstructural Evolution of AA-6061 subjected to Severe Plastic Deformation," TMS Annual Meeting, March 14-18, 2004 Charlotte, NC (with Y. Bhambri, S. Indrakanti, B. Cherukuri, P. Chaudhury, Q. Han)

6. "Heat Treatment of Aluminum Alloy 6061 Processed by Severe Plastic Deformation," ASM Materials Week, Oct. 17-20, 2004, Columbus OH (with P. K. Chaudhury, B. Cherukuri)
7. "Forging Studies With Severe Plastic Deformation (SPD) Processed AA 6061," ASM Materials Week, Oct. 17-20, 2004, Columbus OH (with P. Chaudhury, B. Cherukuri)
8. "Scaling up of equal channel angular pressing (ECAP) and its effect on mechanical properties, microstructure, and hot workability of AA 6061," TMS Annual Meeting, San Francisco CA, February 2005 (with P. Chaudhury)
9. "A comparison of the properties of SPD processed AA-6061 by equal channel angular pressing (ECAP), multi-axial compressions/forgings (MAC/F) and accumulative roll bonding (ARB)," San Francisco CA, February 2005 (Poster) (with B. Cherukuri, T. Nedkova)
10. "Scaling up of Equal Channel Angular Pressing (ECAP) for the Production of Forging Stock," NanoSPD3 – Third International Conference on Nanomaterials by Severe Plastic Deformation, Fukuoka, Japan, September 2005 (Invited) (with P. Chaudhury, B. Cherukuri)
11. "Acceleration of Precipitation Process in AA6061 after Severe Plastic Deformation (SPD)," Materials Science & Technology (MS&T) 2005 conference at Pittsburgh PA, September 2005 (with P. Chaudhury, B. Cherukuri)

Patents

1. "Continuous Severe Plastic Deformation (CSPD) Process," by P. Chaudhury, R. Srinivasan, and S. Viswanathan, United States Patent Number 6,895,795, May 24, 2005.

Student Theses

1. S. Indrakanti, "Flow Behavior of AA 6061 processed by Equal Channel Angular Pressing (ECAP), MS Thesis, Wright State University, December 2003
2. Y. Bhambri, "Microstrucural Evolution of AA6061 Subjected to Severe Plastic Deformation," MS Thesis, Wright State University, December 2003
3. B. Cherukuri, "Multi Axial Compression/Forging (MAC/F) of A 6061, MS Thesis, Wright State University, August 2004