

Journal Publications

1. G. Loughnane, M. Groeber, M. Uchic, R. Srinivasan, R. Grandhi, "Modeling the effect of voxel resolution on the accuracy of phantom grain ensemble statistics," *Materials Characterization*, Vol 90, pp 136-150, 2014
2. R. Srinivasan, K. McReynolds, N.W. Gothard, J. Spowart, "Texture Development during Deformation Processing of the n-type Bismuth Telluride Alloy $\text{Bi}_2\text{Se}_{0.3}\text{Te}_{2.7}$," *Materials Science and Engineering A*, Vol. 588, pp 376–387, 2013
3. S. Roy, S. Suwas, S. Tamirisakandala, R. Srinivasan, D.B. Miracle "Microstructure and texture evolution during β extrusion of boron modified Ti–6Al–4V alloy," <http://dx.doi.org/10.1016/j.msea.2012.01.120>, *Materials Science and Engineering A*, Volume 540, pp 152–163, 2012
4. V. Sinha, R. Srinivasan, S. Tamirisakandala, D.B. Miracle, "Superplastic Behavior of Ti-6Al-4V-0.1B Alloy," <http://dx.doi.org/10.1016/j.msea.2011.12.058> *Materials Science and Engineering A*, Volume 539, pp 7–12, 2012
5. S. Roy, S. Suwas, S. Tamirisakandala, D.B. Miracle, R. Srinivasan, "Development of solidification microstructure in boron-modified alloy Ti–6Al–4V–0.1B," <http://dx.doi.org/10.1016/j.actamat.2011.05.023>, *Acta Materialia*, Vol. 59, pp 5494–5510, 2011
6. T. T. Sasaki, B. Fu, K. Torres, G.B. Thompson, R. Srinivasan, B. Cherukuri, and J. Tiley, "Nucleation and Growth of α -Ti on TiB Precipitates in Ti-15Mo-2.6Nb-3Al-0.2Si-0.12B," <http://dx.doi.org/10.1080/14786435.2010.533134>, *Philosophical Magazine*, 1478-6443, Volume 91, Issue 6, pp 850 – 864, 2011
7. R. Srinivasan and S. Tamirisakandala, "Influence of Trace Boron Addition on the Directional Solidification Characteristics of Ti-6Al-4V," <http://dx.doi.org/10.1016/j.scriptamat.2010.08.051>, *Scripta Materialia* Vol. 63, pp 1244–1247, 2010
8. R. Srinivasan, N. Gothard, and J. Spowart, "Improvement in thermoelectric properties of an n-type bismuth telluride ($\text{Bi}_2\text{Se}_{0.3}\text{Te}_{2.7}$) due to texture development and grain refinement during hot deformation," <http://dx.doi.org/10.1016/j.matlet.2010.05.018>, *Materials Letters*, Vol. 64, pp 1772–1775, 2010
9. B. Cherukuri, R. Srinivasan, S. Tamirisakandala, and D.B. Miracle, "The Influence of Trace Boron Addition on Grain Growth Kinetics of the Beta Phase in the Beta Titanium Alloy Ti-15Mo-2.6Nb-3Al-0.2Si," *Scripta Materialia* Vol. 60 pp. 496–499, 2009
10. R. Srinivasan, M. Bennett, S. Tamirisakandala D. Miracle, K-O Yu, F. Sun, "Rolling of Plates and Sheets from As-Cast Ti-6Al-4V-0.1B," *Journal of Materials Engineering and Processes*, Vol. 18, pp 390-398, 2009
11. S. Roy, N. Gurao, S. Suwas, S. Tamirisakandala, R. Srinivasan and D.B. Miracle, "Texture Evolution in Boron Modified Ti-6Al-4V Alloy," *Ceramic Transactions*, Vol. 200, pp 585-592, 2008
12. R. Srinivasan, D. Miracle, S. Tamirisakandala, "Direct Rolling of As-cast Ti-6Al-4V Modified with Trace Additions of Boron, *Materials Science and Engineering A*, Vol. 487 pp. 541–551, 2008
13. B. Cherukuri and R. Srinivasan, "Optimization of the Equal Channel Angular Pressing (ECAP) Process for Strain Homogeneity," *Materials Science Forum* Vols. 539-543 pp. 3655-3660, 2007
14. S. Tamirisakandala, D.B. Miracle, R. Srinivasan, J.S. Gunasekera, "Titanium Alloyed with Boron," *Advanced Materials and Processes*, pp 41-43, December 2006
15. B. Cherukuri and R. Srinivasan, "Properties of AA6061 Processed By Multi-Axial Compressions/Forging (MAC/F)," *Materials and Manufacturing Processes*, Vol. 21, pp. 512-518, 2006
16. Z. Li, R.V. Grandhi, and R. Srinivasan, "Distortion minimization during gas quenching process," *Journal of Materials Processing Tech.* Vol. 172, Issue: 2, pp. 249-257, 2006

17. 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
18. 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," Materials Science and Engineering A, Vol 410-411, pp 316-318, 2005
19. 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)," Materials Science and Engineering A, Vol 410-411, pp 394-397, 2005
20. R. Srinivasan, M. Balathandayuthapani and W. Yan, "Temperature Changes and Loads During Hot Die Forging of a Gamma Titanium Aluminide Alloy" Journal of Materials Processing Technology, Vol. 160, pp. 321-334, 2005
21. N. Yust, R. Nekkanti, L. Brunke, R. Srinivasan, and P. Barnes, "Copper Metallic Substrates HTS Coated Conductors," Superconductor Science and Technology, Vol. 18, pp. 9-13, 2005
22. 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
23. J.L. Pierce, L.P. Zawada, and R. Srinivasan, "Tensile Properties of Nicalon Fiber-Reinforced Carbon Following Aerospace Turbine Engine Testing," Journal of Materials Engineering and Performance, Vol. 12, No. 3, pp. 354-362, 2003
24. A.J. Beaudoin, R. Srinivasan, and S.L. Semiatin, "Microstructure Modeling and Prediction during Thermomechanical Processing," JOM, pp 25-29, January 2002
25. Z. Li, R. Grandhi, and R. Srinivasan, "Distortion Minimization during Gas Quenching Process," Journal of Materials Engineering and Processes, pp 125-134, 2001
26. B.D. Joyce, S.L. Semiatin, and R. Srinivasan "High Temperature Deformation and Recrystallization Behavior of Ti-10V-2Fe-3Al," CD-ROM issue of Journal of Materials Processing Technology, Edited by T. Chandra, K. Higashi, C. Suryanarayana, and C. Tome, Elsevier Science, 2001.
27. C.A. Riviello, D.B. Miracle, R. Srinivasan "Transformation Kinetics and Diffusion Mechanisms of Boron in Discontinuously Reinforced Titanium Matrix Composites," CD-ROM issue of Journal of Materials Processing Technology, Edited by T. Chandra, K. Higashi, C. Suryanarayana, and C. Tome, Elsevier Science, 2001.
28. R. McLaughlin and R. Srinivasan, "A Parametric Study of Dynamic Recrystallization using the Monte Carlo Method", Materials and Manufacturing Processes, Vol. 16, No. 6, pp 763-778, 2001.
29. J.J. Sun, E.J. Taylor, and R. Srinivasan, "MREF-ECM Process for Hard Passive Materials Surface Finishing" Journal of Materials Processing Technology, Vol. 108, No. 3, pp. 356 – 368, 2001.
30. R. Srinivasan, "Computer Simulation of the Equal Channel Angular Extrusion (ECAE) Process," Scripta Materialia, Vol. 44, pp. 91-96, 2001.
31. R. Srinivasan and G. Puttaswamygowda, "A New Method for Testing the Abrasive Properties of Paper and Other Sheet Materials," ASTM Journal of Testing and Evaluation, JTEVA, Vol. 29, No.1, pp. 72-78, 2001.
32. S.C. Medeiros, Y.V.R.K. Prasad, W.G. Frazier, and R. Srinivasan, "Microstructural Modeling of Metadynamic Recrystallization in Hot Working of IN 718 Superalloy," Materials Science and Engineering A, A293, pp 198-207, 2000
33. J.L. Finch, L.P. Zawada, and R. Srinivasan, "Tensile Behavior of SiC/C and Rene'41 Following Isothermal Exposure and Thermal Fatigue," Journal of Materials Science 35(12), pp. 2973-2984, 2000
34. S.C. Medeiros, Y.V.R.K. Prasad, W.G. Frazier, and R. Srinivasan, "Modelling Grain Size during Hot Deformation of IN 718" Scripta Materialia, Vol. 42, No. 1, pp. 17-23, 1999

35. J.C. Malas, W.G. Frazier, S. Venugopal, E.A. Medina, S. Medeiros, R. Srinivasan, R.D. Irwin, W.M. Mullins, and A. Chaudhary, "Optimization of Microstructure Development during Deformation Processing using Control Theory," Metallurgical and Materials Transactions, Vol. 28A, No. 9, pp. 1921-1930, 1997.
36. S. Venugopal, E.A. Medina, J.C. Malas, S. Medeiros, W.G. Frazier, W.M. Mullins, and R. Srinivasan, "Optimization of Microstructure Development during Deformation Processing using Control Theory Principles," Scripta Materialia, Vol. 36, No. 3, pp. 347-353, 1997
37. R. Srinivasan, "Application of Monte-Carlo Method to the Dissolution of a Polycrystalline Solid," Materials Letters, Vol. 31, pp. 5-9, 1997
38. E.A. Medina, S. Venugopal, W.G. Frazier, S. Medeiros, W.M. Mullins, A. Chaudhary, R.D. Irwin, R. Srinivasan, and J.C. Malas, "Optimization of Microstructure Development: Application to Hot Metal Extrusion," J. Materials Engineering and Performance, Vol. 5., No.6, pp 743-752, 1996.
39. R. Srinivasan, J.P. Singh, E. Tuval, and I. Weiss, "Isothermal Deformation of Gamma Titanium Aluminide," Scripta Materialia, Vol. 34, No. 8, pp 1295-1301, 1996.
40. I. Weiss, R. Srinivasan, M. Saqib, N. Stefansson, A.G. Jackson, and S.R. LeClair, "Bulk Deformation of Ti-4.5Fe-6.8Mo-1.5Al wt% (Timetal® LCB) Alloy," Journal of Materials Engineering and Performance, Vol. 5, No. 3, pp 335-352, 1996.
41. R. Srinivasan, G.H.K. Reddy, S.S. Kumar and R.V. Grandhi, "Intermediate Shapes in Closed Die Forging by the Backward Deformation Optimization Method (BDOM)," Journal of Materials Engineering and Performance, Vol. 3, No. 4, pp 501-513, 1994
42. M. Thirukkonda, R. Srinivasan, and I. Weiss, "Stability and Flow Localization during Compression of a Flow Softening Material," Journal of Materials Engineering and Performance, Vol. 3, No. 4, pp 514-526, 1994.
43. C.S. Han, R.V. Grandhi, and R. Srinivasan, "Optimum Design of Forging Die Shapes Using Nonlinear Finite Element Analysis," AIAA Journal, Vol. 31, No. 4, pp 774-784, 1993.
44. R. Srinivasan, V. Ramnarayan, U. Deshpande, V. Jain, and I. Weiss, "Computer Simulation of the Forging of Fine Grain IN-718," Metallurgical Transactions A, Vol. 24A, pp 2061 – 2069, 1993.
45. B. Cockeram, A. Jackson, R. Omlor, R. Srinivasan, and I. Weiss, "Preparation of TEM Foils from Nb-10 a/o Si," Microscopy Research and Technique, Vol. 22, pp 298-300, 1992.
46. A. Szaruga, L. Rothenflue, R. Srinivasan, and H.A. Lipsitt, "The Workability of 'XD' Titanium Aluminide Alloys with Low Volume Fraction of TiB₂," Scripta Metallurgica et Materialia, Vol. 26, pp 1565-1570, 1992.
47. R. Srinivasan, "Yield Points During the High Temperature Deformation of Ti-15V-3Al-3Cr-3Sn Alloy," Scripta Metallurgica et Materialia, Vol. 27, pp 925-930, 1992.
48. B. Cockeram, R. Srinivasan, and I. Weiss, "The Effect of Nb₃Si Precipitates on the Deformation of the Primary Nb Phase in Nb – 10 a/o Si in-Situ Composite," Scripta Metallurgica et Materialia, Vol. 26, pp 755-760, 1992.
49. B. Cockeram, M. Saqib, R. Srinivasan, and I. Weiss, "Role of Nb₃Si in High Temperature Deformation of a Cast Nb – 10 a/o Si in-Situ Composite," Scripta Metallurgica et Materialia, Vol. 26, pp 749-754, 1992.
50. M. Thirukkonda, B. Cockeram, M. Saqib, L.E. Matson, R. Srinivasan, and I. Weiss, "Flow Softening during High Temperature Deformation of Nb-10 a/o Si In-Situ Composite," Scripta Metallurgica et Materialia, Vol. 27, pp 711-716, 1992.
51. M. Saqib, R. Srinivasan, and I. Weiss, "Ordering Transformations in the Nb₃Si Phase in Nb-10Si Alloy," Scripta Metallurgica et Materialia, Vol. 27, pp 425-430, 1992.
52. B. Cockeram, H.A. Lipsitt, R. Srinivasan, and I. Weiss, "Phase Relationships in Nb- 18.7 a/o Si In-Situ Composite," Scripta Metallurgica et Materialia, Vol. 25, pp. 2109-2114, 1991.

53. S.S. Lanka, R. Srinivasan, and R.V. Grandhi, "A Design Approach for Intermediate Die Shapes in Plane Strain Forgings," J. Materials Shaping Technol., Vol. 9, No. 4, pp. 193-206, 1991.
54. B. Cockeram, M. Saqib, R. Omlor, R. Srinivasan, L. E. Matson and I. Weiss, "Characterization of Silicide Precipitates in Primary Nb Phase in Nb-10% Si In-situ Composites," Scripta Metallurgica et Materialia Vol. 25, pp. 393-398, 1991.
55. R. Srinivasan and I. Weiss, "Formation of Surface Depressions during Hot Isostatic Pressing (HIP)," Scripta Metallurgica et Materialia Vol. 24, pp. 2413-2418, 1990.
56. R. Srinivasan, J.S. Gunasekera, H.L. Gegel, S.M. Doraivelu, "Extrusion through controlled strain rate dies," J. Materials Shaping Technol., Vol. 8, No. 2, pp 133-141, 1990
57. V.K. Jain, L.E. Matson, H.L. Gegel and R. Srinivasan, "Physical Modeling of Metalworking Processes I: Determination of Large Plastic Strains," J. Mater. Shaping Technol., Vol. 5, No. 4, pp 243-248, 1988
58. V.K. Jain, L.E. Matson, H.L. Gegel and R. Srinivasan, "Physical Modeling of Metalworking Processes II: Comparison of Visioplastic Modeling and Computer Simulation," J. Mater. Shaping Technol., Vol. 5, No. 4, pp 249-257, 1988
59. C.S. Hartley and R. Srinivasan, "Constitutive Equations for Large Plastic Deformations of Metals," Transactions of ASME, Journal of Engineering Materials and Technology, Vol. 105, pp. 162-167, July 1983.
60. R. Srinivasan, C.S. Hartley, B.B. Raju and J. Clave, "Measurement of Neck Development in Tensile Testing Using Projection Moiré," Optical Engineering, Vol. 21, pp 655-662, July – August 1982.

Conference Publications

1. R. Srinivasan and M.A. Imam, "Role of Dispersoids on The Fatigue Behavior of Aluminum Alloys: A Review," Proceedings of the Symposium on Fatigue of Materials: Advances and Emergences in Understanding II, MS&T 2014, Columbus OH, October 12-16, 2014
2. C. Holycross, R. Srinivasan, T. George, S. Tamarisakandala, "Vibration Based Fatigue Testing for Developmental Alloys," Proceedings of the Symposium on Fatigue of Materials: Advances and Emergences in Understanding II, MS&T 2012, Pittsburgh, October 7-11, 2012
3. S. Roy, S. Suwas, S. Tamirisakandala, R. Srinivasan and D.B. Miracle, "Processing Response of Boron Modified Ti-6Al-4V Alloy In ($\alpha+\beta$) Working Regime," Proceedings of the 138th TMS Annual Meeting, San Francisco, February 15-19 2009
4. P.K. Chaudhury and R. Srinivasan, "Continuous Severe Plastic Deformation (CSPD) Processing of AA 6061," PFAM-XVII – The Seventeenth International Symposium on the Processing and Fabrication of Advanced Materials," Dec. 15-17, 2008, New Delhi, India
5. R. Srinivasan, S. Tamirisakandala, D. Miracle, K-O Yu, V. Sinha, F. Sun, M. Bennett, J.M. Scott, "Production of Plates and Sheets from As-Cast Ti-6Al-4V via Boron Modification," The 11th World Conference on Titanium, Kyoto, Japan, June 3-7, 2007
6. M. Bennett, R. Srinivasan and S. Tamirisa, "Processing and Property Improvements in Rolled Plates and Sheets of Ti-6Al-4V+0.1 wt% B," Proceedings of the 136th TMS Annual Meeting – Emerging Materials, Orlando FL, Feb 25-March 1, 2007
7. B. Cherukuri, R. Srinivasan, P. Chaudhury "Energy Savings in Forging and Heat treatment of an Aluminum alloy subjected to Severe Plastic Deformation," accepted by TMS Letters, 2006
8. B. Cherukuri and R. Srinivasan, "Optimization of the Equal Channel Angular Pressing (ECAP) Process for Strain Homogeneity," Thermec-2006, Vancouver BC, Canada, July 2006
9. 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 (CD-ROM)

10. 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
11. Z. Li, R. Grandhi, and R. Srinivasan, "Optimum Design of Process Parameters to Minimize Distortion during Gas Quenching Process," Microstructure Modeling and Prediction during Thermomechanical Processing, Edited by R. Srinivasan, et al., TMS, Warrendale, Pennsylvania, pp 125-134, 2001. /
12. K.E. Huber, D.B. McCray, and R. Srinivasan "Optimization of Sandpaper Sol-Gel Surface Preparation" Processing and Fabrication of Advanced Materials IX, Edited by T.S. Srivatsan, R.A. Varin, and K.A. Khor, ASM International, Materials Park, OH, 2001.
13. S. C. Medeiros, Y.V.R.K. Prasad, W.G. Frazier, and R. Srinivasan, "Modeling Grain Size During Hot Working of IN 718" Processing Materials for Properties (PMP) II, Edited by Brajendra Mishra and Chikabumi Yamauchi, TMS, Warrendale, Pennsylvania, pp. 411-415, 2000.
14. W.G. Billotte, D.B. Reynolds, G.M. Mehrotra, R. Srinivasan, and P.K. Bajpai "In Vitro Characterization of a Zinc Based Bioceramic," ISA Proceedings Vol. 33, Paper # 97-022, pp. 126-130, 1997
15. J. Reshad, I. Weiss, R. Srinivasan, T.F. Broderick, S.L.Semiatin, "Cold Formability Of Timetal® 21S Sheet Material," Advances in the Science and Technology of Titanium Alloy Processing, Edited by I. Weiss, R. Srinivasan, D. Eylon, P. Bania and S.L. Semiatin, TMS, Warrendale, Pennsylvania, pp. 259-270, 1997. /
16. I. Weiss, R. Srinivasan, M. Saqib, N. Stefansson, A. Jackson, S.R. LeClair, "Cold and Warm Working of LCB Titanium Alloy," Advances in the Science and Technology of Titanium Alloy Processing, Edited by I. Weiss, R. Srinivasan, D. Eylon, P. Bania and S.L. Semiatin, TMS, Warrendale, Pennsylvania, pp. 241-248, 1997. /
17. J.C. Malas, A. Chaudhary, W.M. Mullins, E.A. Medina, S. Venugopal, S. Medeiros, R.D. Irwin, W.G. Frazier, and R. Srinivasan, "Optimization of Microstructure Development: Application to Hot Metal Extrusion," PD Vol. 75, ESDA Proceedings, Vol. 3, pp. 125-135, ASME New York, 1996.
18. J.P. Singh, E. Tuval, I. Weiss, and R. Srinivasan, "Isothermal Deformation of Gamma Titanium Aluminide," Gamma Titanium Aluminides edited by Y-W Kim, R. Wagner, and M.Yamaguchi, TMS, Warrendale, Pennsylvania, pp 547-554, 1995. /
19. B. Mohan, R. Srinivasan, and I. Weiss, "Non-Isothermal Deformation of Gamma Titanium Aluminide," Gamma Titanium Aluminides, edited by Y-W Kim, R. Wagner, and M.Yamaguchi, TMS, Warrendale, Pennsylvania, pp 587-594, 1995. /
20. R. Srinivasan and I. Weiss, "Ductile Phase Toughening in the Nb-10Si In-Situ Composite," High Performance Materials in Engine Technology, Edited by P. Vincinzini, Techna Publications Srl, Florence, Italy, pp 401-408, 1995.
21. I. Weiss, M. Thirukkonda, and R. Srinivasan, "Effect of Deformation Processing on Mechanical Properties of Nb-10 a/o Si In-situ Composite," High Temperature Silicides and Refractory Alloys, MRS Proceedings Vol. 322, Materials Research Society, Pittsburgh, PA, pp 377-386, 1994. /
22. R. Srinivasan, M. Thirukkonda, and I. Weiss, "Deformation Processing of the Nb-10 a/o Si In-Situ Composite," Klaus Schultze Symposium on Processing and Applications of High Purity Refractory Metals and Alloys, Edited by P. Kumar, H. A. Jehn, and M. Uz, TMS, Warrendale, PA, pp 245-260, 1994.
23. M. Thirukkonda, R. Srinivasan, and I. Weiss, "High Temperature Deformation of Nb-10 a/o Si In-Situ Composite," Advances in Hot Deformation Textures and Microstructures, Edited by J.J. Jonas, T.R. Bieler, and, K.J. Bowman, TMS, Warrendale, PA, pp 559-578, 1994. /
24. M. Thirukkonda, R. Srinivasan, and I. Weiss, "Stability and Flow Localization during Compression of a Flow Softening Material," Computer Applications in Shaping and Forming of Materials, Edited by M.Y. Demeri, TMS, Warrendale, PA, pp 251-274, 1993. /

25. R. Srinivasan, G.H.K. Reddy, S.S. Kumar and R.V. Grandhi, "Intermediate Shapes in Closed Die Forging by the Backward Deformation Optimization Method (BDOM)," Computer Applications in Shaping and Forming of Materials, Edited by M.Y. Demeri, TMS, Warrendale, PA, pp 85-106, 1993. /
26. R. Srinivasan and I. Weiss, "High Temperature Deformation of the Near Beta Ti-15V-3Cr-3Sn-3Al Alloy," Beta Titanium Alloys for the 1990's, Edited by D. Eylon, TMS, Warrendale, PA, pp 283-295, 1993. /
27. R.V. Grandhi and R. Srinivasan, "Concurrent Engineering Tools for Forging Die and Process Design," Concurrent Engineering Tools and Technologies for Mechanical System Design, NATO ASI Series F: Computer and Systems Sciences, Vol. 108, pp. 465-499, 1993.
28. C. Han, R. V. Grandhi, and R. Srinivasan, "Optimum Design of Forging Die Shapes for Nonlinear Material Deformation," 33rd AIAA/ASME/ASCE/AHS/ASC Structures, Structural Dynamics and Materials Conference Proceedings, pp 2689-2699, 1992.
29. M. Saqib, M. Thirukkonda, B. Cockeram, R. Srinivasan, and I. Weiss, "Deformation and Recrystallization of Nb-10Si In-Situ Composite," The First Pacific Rim International Conference on Advanced Materials and Processing (PRICM-1), Edited by C. Shi, H. Li, and A. Scott, TMS, Warrendale, PA, pp 711-716, 1992.
30. R. Srinivasan, V. Ramnarayan, U. Deshpande, V. Jain, and I. Weiss, "Computer Simulation of the Forging of Fine Grain IN-718," Superalloys 718,625 and Various Derivatives, E. A. Loria, editor, TMS, Warrendale, Pennsylvania, pp 175-192, 1991.
31. I. Weiss, R. Srinivasan, and F.H. Froes, "The 'Processing Window' Concept for Beta Titanium Alloys," Recrystallization - 90, TMS, Warrendale, Pennsylvania, pp. 609-616, 1990. /
32. R. Srinivasan, J.S. Gunasekera, H.L. Gegel and S.M. Doraivelu, "Extrusion through Controlled Strain Rate Dies," IEXTRU'89, Proceedings of the International Conference on Extrusion, Athens, Ohio, December 6-9, 1989.
33. J.F. Thomas, Jr., and R. Srinivasan, "Constitutive Equations for High Temperature Deformation," in Computer Simulation in Materials Science, R.J. Arsenault, J.R. Beeler, Jr., and D.M. Esterling, Editors, ASM International, Metals Park, Ohio, pp 269-290, 1988. /
34. V.K. Jain and R. Srinivasan, "Physical Modelling and Visioplasticity Studies of the Forging Process," Aerospace Materials Process Modelling, AGARD Conference Proceedings No. 426, NATO AGARD Publications, pp 8.1-8.13, 1987.
35. C.S. Hartley and R. Srinivasan, "Residual Stresses in Copper-Clad Aluminum," in Residual Stresses in Science and Technology, Vol. II, E. Macherauch and V. Hauk, Editors, DGM Information Gesellschaft Verlag, Oberursel, FRG, pp 867-874, 1987.
36. J.S. Gunasekera, J.C. Malas and R. Srinivasan, "Finite Element Simulation of Some Unit Processes," Computers in Engineering 1986, Vol. 2, Proceedings of the 1986 ASME International Computers in Engineering Conference, ASME, New York, pp 35-41, 1986.
37. S.M. Doraivelu, J.S. Gunasekera, D.R. Barker, H.L. Gegel, J.C. Malas, R. Srinivasan, J. Ramanathan and C. Li, "Development of an Intelligent Apprentice System for Extrusion Die Design and Process Simulation," Computers in Engineering 1985, Vol. 2, Proceedings of the 1985 ASME International Computers in Engineering Conference, ASME, New York, pp 375-382, 1985.
38. R. Srinivasan and C.S. Hartley, "Computer Simulation of Residual Stresses in Extrusion," NAMRC-XIII, Proceedings of the Thirteenth North American Manufacturing Research Conference, NAMRI-SME, Dearborn, Michigan, pp 159-163, 1985. /
39. R. Srinivasan, C.S. Hartley and R. Bandy, "Residual Stress Determination in Inconel-600 Tubes Using Electro-Chemical Machining," in Novel Techniques in Metal Deformation Testing, R.H. Wagoner, Editor, TMS/AIME, Warrendale, Pennsylvania, pp 163-174 1983. /
40. R. Srinivasan and C.S. Hartley, "Simulation of Residual Stresses in Co-Extrusion," Metals/Materials Technology Series, Paper No. 8305-004, American Society for Metals, Metals Park, Ohio, 1983.

Patents

1. "Billet Conditioning Techniques for Manufacturing Powder Metallurgy Preforms (Bilcon Process)," H.L. Gegel, Y.V.R.K. Prasad, S.M. Doraivelu, R. Srinivasan, J.S. Gunasekera, D.R. Barker, J.T. Morgan, J.C. Malas and K.A. Lark, United States Patent No. 4,762,679, Aug. 9, 1988.
2. "Optimization and control of microstructure development during hot metal working: a new technique using modern control theory," by J.C. Malas, W.G. Frazier, E.A. Medina, V. Seetharaman, S. Venugopal, R.D. Irwin, W.M. Mullins, S.C. Medieros, A. Chaudhary, R. Srinivasan, United States Patent No. 6,233,500, May 15, 2001.
3. "Method and device for measuring abrasive properties of paper and other sheet materials," by R. Srinivasan, United States Patent 6,612,150, September 2, 2003
4. "Continuous Severe Plastic Deformation (CSPD) Process," by P. Chaudhury, R. Srinivasan, and S. Viswanathan, United States Patent Number 6,895,795, May 24, 2005.
5. "Development of Technologies for Producing Sheets and Foils from Affordable and Structurally Efficient Titanium (ASET)", US Provisional Application Serial No. 60/822,093 filed August 11, 2006
6. "Control of Crystallographic texture and grain size in bulk thermoelectric materials through constrained deformation," by R. Srinivasan, N. Gothard, J.E. Spowart, U. S. Patent No. 8,551,441, October 8, 2013

Books/Book Chapters

1. *Advances in the Science and Technology of Titanium Alloy Processing*, Edited by I. Weiss, R. Srinivasan, D. Eylon, P. Bania and S.L. Semiatin, TMS, Warrendale, Pennsylvania, ISBN 0-87339-324-4, 1997.
2. *Microstructure Modeling and Prediction during Thermomechanical Processing*, Edited by R. Srinivasan, S.L. Semiatin, A. Beaudoin, S. Fox and Z. Jin, TMS, Warrendale, Pennsylvania, ISBN 0-87339-505-0, 2001.
3. "Coextrusion," by R. Srinivasan and C.S. Hartley, ASM Handbook Volume 14A: Metal Working: Bulk Forming, ASM International, 2005.
4. "Texture Evolution in Boron Modified Ti-6Al-4V Alloy," by S. Roy, N. Gurao, S. Suwas, S. Tamirisakandala, R. Srinivasan and D.B. Miracle, in *Materials Processing and Texture* (ed A.D. Rollett), John Wiley & Sons, Inc., Hoboken, NJ, USA. doi: 10.1002/9780470444191.ch66, 2008
5. "Solidification microstructure and texture in grain-refined titanium alloys," S. de-Waziers, S. Roy, S. Suwas, S. Tamirisakandala, R. Srinivasan, D.B. Miracle, in *Microstructure and Texture in Steels*, Chapter 33, pp 475-483, Springer Publication, 2008
6. *Fatigue of Materials II: Advances and Emergences in Understanding*, Edited by T.S. Srivatsan, M.A. Imam, and R. Srinivasan, J Wiley and TMS, October 2012
7. *Fatigue of Materials III: Advances and Emergences in Understanding*, Edited by T.S. Srivatsan, M.A. Imam, and R. Srinivasan, J Wiley and TMS, October 2014

Conference Presentations and Posters

1. "Residual Stress Determination in Inconel-600 Tubes using Electro-Chemical Machining," 1982 TMS/AIME Fall Meeting – ASM Metals Congress, St. Louis, Missouri, October 24-28, 1982 (with C.S. Hartley)
2. "Simulation of Residual Stresses in Co-Extrusion," 1983 ASM Metals Congress, Philadelphia, Pennsylvania, October 3-6, 1983 (with C.S. Hartley)
3. "Computer Simulation of Metalworking Processes," AIAA Cincinnati/Dayton Chapter Meeting, March 19, 1985.

4. "Computer Simulation of Residual Stresses in Extrusion," Thirteenth Annual North American Manufacturing Research Conference, NAMRC-XIII, Berkeley, California, May 18-22, 1985 (with C.S. Hartley)
5. "Finite Element Simulation of Some Unit Processes," 1986 Computers in Engineering – ASME Conference and Exhibition, Chicago, Illinois 20-24 July 1986 (with J.S. Gunasekera and J.C. Malas)
6. "Physical Modeling of Metalworking Processes I and II," TMS/AIME Annual Meeting, Denver, Colorado, Feb. 24-27, 1987 (with V.K. Jain, L.E. Matson and H.L. Gegel)
7. "Physical Modeling and Visioplasticity Studies of a Precision Forging Process," NATO-AGARD Conference on Aerospace Materials Process Modelling," Izmir, Turkey, 4-9 October 1987 (with V.K. Jain).
8. "High Temperature Deformation of Large Grain Ti-15V-3Al-3Cr-3Sn Alloy," 1988 TMS-AIME Annual Meeting, Phoenix, Arizona, 25-28 January 1988 (with I. Weiss, J.F. Thomas Jr., and F.H. Froes)
9. "Hot Workability of a Cast Niobium-Silicon Alloy," TMS/AIME Annual Meeting, Feb. 27 – Mar. 2, 1989 (with L.E. Matson)
10. "Identifying the Relationships between Microstructure and Flow Stress in Alloy 720," TMS/AIME Annual Meeting, Feb. 27 – Mar. 2, 1989 (with T. Banik)
11. "High Temperature Deformation of Intermetallic Alloys," TMS/AIME Fall Meeting, Oct. 1-5, 1989 (with I. Weiss, J. F. Thomas, Jr., and H.A. Lipsitt)
12. "Extrusion through Controlled Strain Rate Dies," International Conference on Extrusion, Athens, Ohio, Dec. 6-9, 1989 (with J.S. Gunasekera, S.M. Doraivelu, and H.L. Gegel)
13. "The 'Processing Window' Concept for Beta Titanium Alloys," Recrystallization – 90, the International Conference on Recrystallization, Woolongong, Australia, Jan. 22-26, 1990 (with I. Weiss and F.H. Froes)
14. "Computer Modeling of High Temperature Deformation and Forging Simulation of IN718 Superalloys," TMS/ASM-I Fall Meeting, Detroit, Michigan, October 8-11, 1990 (with V. Ramnarayan, U. Deshpande and I. Weiss)
15. "TEM Investigations of Nb-Nb Silicide In-Situ Composites," TMS Annual Meeting, New Orleans, Louisiana, February 17-21, 1991 (with B. Cockeram, L.E. Matson, M. Saqib, H.A. Lipsitt, and I. Weiss)
16. "Computer Simulation of the Forging of Fine Grain IN-718," Superalloys 718,625 and Various Derivatives Conference, Pittsburgh, Pennsylvania, June 23-26, 1991, (with V. Ramnarayan, U. Deshpande, V. Jain, and I. Weiss)
17. "Workability of an As-Cast 'XD' Ti-48Al-2Mn-2Nb Alloy with Varying TiB₂ Content," TMS Fall Meeting, Cincinnati, Ohio, October 21-24, 1991 (with L. Rothenflue, A. Szaruga, and H.A. Lipsitt)
18. "Optimum Design of Forging Die Shapes for Nonlinear Material Deformation," AIAA-SDM Conference, Dallas, Texas, April 1992 (with C. S. Han and R.V. Grandhi)
19. "Intermediate Shapes in Closed Die Forging by the Backward Deformation Optimization Method (BDOM)," TMS Annual Meeting, February 21-25, 1993, Denver, Colorado (with G.H.K. Reddy, S.S. Kumar and R.V. Grandhi)
20. "Instability and Flow Localization during Compression of a Flow Softening Material," TMS Annual Meeting, February 21-25, 1993, Denver, Colorado (with M. Thirukkonda and I. Weiss)
21. "High Temperature Deformation of Large Grain Ti-15V-3Al-3Cr-3Sn Alloy," TMS Annual Meeting, February 21-25, 1993, Denver, Colorado (with I. Weiss)
22. "Processing and High Temperature Deformation of Nb-10a/o Si In-Situ Composite," Klaus Schulze Symposium on Processing and Application of High Purity Refractory Metals and Alloys, TMS Fall Meeting, October 17-21, 1993, Pittsburgh, Pennsylvania (with M. Thirukkonda and I. Weiss)
23. "Ductile Phase Toughening in Nb-10a/o Si In-Situ Composite," Klaus Schulze Symposium on Processing and Application of High Purity Refractory Metals and Alloys, TMS Fall Meeting, October 17-21, 1993, Pittsburgh, Pennsylvania (with M. Thirukkonda and I. Weiss)

24. "High Temperature Deformation of Nb-10 a/o Si In-Situ Composite," TMS Fall Meeting, October 17-21, 1993, Pittsburgh, Pennsylvania (with M. Thirukkonda and I. Weiss)
25. "Effect of Deformation Processing on Mechanical Properties of Nb-10 a/o Si In-Situ Composite," MRS Fall Meeting, Nov. 29 – Dec. 3, 1993, Boston, MA (with M. Thirukkonda, I. Weiss, and M. Saqib)
26. "Workability of Some Near Gamma Titanium Aluminide Base Alloys," TMS Annual Meeting, Feb. 27 – March 3, 1994, San Francisco, CA (with J. Hodgson and H.A. Lipsitt)
27. "Processing and Ductile Phase Toughening in Nb-10 a/o Si In-Situ Composite," Eighth CIMTEC – International Conferences on Modern Materials and Technologies, June 29 – July 4, 1994, Florence, Italy (with Weiss, I.)
28. "Isothermal Deformation of Gamma Titanium Aluminide," IGSTA-95 – International Conference of Gamma Titanium Aluminide, TMS Annual Meeting, Feb 12-16, 1995, Las Vegas, Nevada (with J.P. Singh, E. Tuval and I. Weiss)
29. "Non-Isothermal Deformation of Gamma Titanium Aluminide," IGSTA-95 – International Conference of Gamma Titanium Aluminide, TMS Annual Meeting, Feb 12-16, 1995, Las Vegas, Nevada (with B. Mohan and I. Weiss)
30. "Cold and Warm Working of LCB Titanium Alloy," Advances in the Science and Technology of Titanium Alloy Processing, TMS Annual Meeting, Anaheim, CA, Feb. 4-8, 1996 (with I. Weiss, M. Saqib, N. Stefansson, A. Jackson, S.R. LeClair)
31. "Cold Formability Of Timetal® 21S Sheet Material," Advances in the Science and Technology of Titanium Alloy Processing, TMS Annual Meeting, Anaheim, CA, Feb. 4-8, 1996 (with J. Reshad, I. Weiss, T.F. Broderick, S.L.Semiatin)
32. "Optimization of Microstructure Development: Application to Hot Metal Extrusion," EDSA'96 Joint Biennial Conference, Montpellier, France, July 1-4, 1996, (with J.C. Malas, A. Chaudhary, W.M. Mullins, E.A. Medina, S. Venugopal, S. Medeiros, R.D. Irwin, W.G. Frazier)
33. "Porosity Measurements of ZCAP by quantitative image analysis," Fifth World Biomaterials Congress, 1996, Toronto (with W.G Billotte, D.B. Reynolds, G.M. Mehrotra, and P.K. Bajpai)
34. "Effect of Cold Working on the Omega Phase in Beta Titanium Alloys," General abstract session, TMS Annual Meeting, Orlando, Florida, February 9-13, 1997 (with M. Saqib, N. Stefansson, I. Weiss)
35. "In Vitro Characterization of a Zinc Based Bioceramic," 34th Annual Rocky Mountain Bioengineering Symposium and 34th International ISA Biomedical Sciences Instrumentation Symposium, Dayton, Ohio April 11-13, 1997 (with W.G Billotte, D.B. Reynolds, G.M. Mehrotra, and P.K. Bajpai)
36. "Modeling of Microstructure Evolution in IN 718," AeroMat-98 Aerospace Materials Conference, Tysons Corner VA, June 15-18, 1998 (with S.C. Medeiros and J.C. Malas)
37. "Optimization of Sandpaper Sol-Gel Surface Preparation" Symposium on Processing and Fabrication of Advanced Materials IX, TMS-ASM Materials Week, St. Louis, MO, Oct. 8-12, 2000 (with K.E. Huber and D.B. McCray)
38. "Modeling Grain Size During Hot Working of IN 718" PMP II: Second International Conference on Processing Materials for Properties Conference, San Francisco, California, Nov. 5 – 8, 2000, (with S. C. Medeiros, Y.V.R.K. Prasad, and W.G. Frazier)
39. "Transformation Kinetics and Diffusion Mechanisms of Boron in Discontinuously Reinforced Titanium Matrix Composites," Thermec-2000 International Conference on Advanced Materials, Las Vegas, Dec 4-8, 2000, (with C.A. Riviello and D.B. Miracle)
40. "Deformation Behavior of Ti-10V-2Fe-3Al," Thermec-2000 International Conference on Advanced Materials, Las Vegas, Dec 4-8, 2000, (with B. Joyce and S.L. Semiatin)
41. "Transformation Kinetics and Diffusion Mechanisms of Boron in Discontinuously Reinforced Ti Matrix Composites," ICCM-13, The Thirteenth International Conference On Composite Materials, Beijing, China, June 25 – 29, 2001, (C. Riviello, and D.B. Miracle)

42. "Optimum Design of Process Parameters to Minimize Distortion during Gas Quenching Process," Symposium on Microstructure Modeling and Prediction during Thermomechanical Processing, TMS-ASM Materials Week, Indianapolis, IN, Nov. 4 – 8, 2001 (With Z. Li and R. Grandhi)
43. "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)
44. "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)
45. "A New Method for Measuring Wear Caused by Sheet Materials," ASM-TMS Materials Week, October 7-10, 2002, Columbus, Ohio (with R. Narayan)
46. "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)
47. "Forging Studies with Severe Plastic Deformation Processed Aluminum Alloy 6061," presented at Thermec-2003, Madrid, Spain July 6-11, 2003 (with P. Chaudhury)
48. "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)
49. "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)
50. "Forging Studies With Severe Plastic Deformation (SPD) Processed AA 6061," ASM Materials Week, Oct. 17-20, 2004, Columbus OH (with P. Chaudhury, B. Cherukuri)
51. "Biaxially Textured Copper and Copper Alloy Substrates for use in HTS Coated Conductors," ASM Materials Week, Oct. 17-20, 2004, Columbus OH, (with N. A. Yust, D. P. N. Barnes, C. V. Varanasi)
52. "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)
53. "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)
54. "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)
55. "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)
56. "Affordable Rolling of Titanium Alloys via Boron Addition," AeroMat-2006, Seattle WA May 2006 (with K. O. Yu, S. Tamirisa, J. Gunasekera, and D. Miracle)
57. "Optimization of the Equal Channel Angular Pressing (ECAP) Process for Strain Homogeneity ," Thermec-2006, Vancouver BC, Canada, July 2006, (with B. Cherukuri)
58. "Rolling of a New Class of Affordable Titanium Alloys," Thermec-2006, Vancouver BC, Canada, July 2006, (with S. Tamirisa, and D.B. Miracle)
59. "Development of Affordable and Advanced Titanium Alloys for Potential Aerospace Applications," AMPT, Las Vegas, NV, July 2006, (with S. Tamirisakandala, D. B. Miracle, and J. S. Gunasekera)
60. "Processing and Property Improvements in Rolled Plates and Sheets of Ti-6Al-4V+0.1 wt% B," 136th TMS Annual Meeting, Orlando FL, Feb 25-March 1, 2007, (with M. Bennett and S. Tamirisa)
61. "Microstructural Stability and Heat Treatment of Boron Modified Beta-21S and Ti-5553," 136th TMS Annual Meeting, Orlando FL, Feb 25-March 1, 2007 (with B. Cherukuri)

62. "Prediction and measurement of residual stresses in extruded and drawn rods and tubes," 136th TMS Annual Meeting, Orlando FL, Feb 25-March 1, 2007 (with J. Rasty)
63. "Porous titanium electrodes for microbial fuel cell (MFC) applications," 136th TMS Annual Meeting, Orlando FL, Feb 25-March 1, 2007 (with D. Beeler, L. Long, D. Young, E. Henderson, and B. Ringeisen) (poster)
64. "Titanium Alloys Modified With Boron- A Current Update," AeroMat-2007, Baltimore MD, 2007 (with S. Tamirisa, D. Miracle, and V. Sinha)
65. "Elevated Temperature Oxidation Resistance of Boron Modified Titanium Alloys," 137th TMS Annual Meeting, New Orleans, March 9-13, 2008 (with D. Sweeney)
66. "Thermo-Mechanical Processing of Boron Modified Beta Titanium Alloys," 137th TMS Annual Meeting, New Orleans, March 9-13, 2008 (with B. Cherukuri, S. Tamirisakandala, S. Roy, and S. Suwas)
67. "Evolution in Electron Beam Melted Boron Modified Ti-6Al-4V Alloy," The 15th International Conference on Textures of Materials (ICOTOM 15), Pittsburgh PA June 2008 (with S. Roy, N. P. Gurao, S. Suwas, S. Tamirisakandala, and D. B. Miracle)
68. "Optimization of Layered Additive Manufacturing Processes," 138th TMS Annual Meeting, San Francisco, February 15-19 2009 (with A. Chaudhary and M. Keller)
69. "The Effect of Trace Boron Addition on Grain Growth Kinetics of As-Cast Beta21S," 138th TMS Annual Meeting, San Francisco, February 15-19 2009 with B. Cherukuri, S. Tamirisakandala, and D. Miracle)
70. "Processing Response of Boron Modified Ti-6Al-4V Alloy in (α + β) Working Regime," 13^{8th} TMS Annual Meeting, San Francisco, February 15-19 2009 (with S. Roy, S. Suwas, S. Tamirisakandala, and D.B. Miracle)
71. "Quantifying the effect of 3D spatial resolution on the accuracy of microstructural distributions," 1st International Conference on 3D Materials Science, July 8, 2012 (with G. Loughnane, M. Groeber, M. Uchic, M. Riley, M. Shah, and Ramana Grandhi)
72. "Failure Analysis in the Undergraduate Curriculum at Wright State University," Poster, MS&T 2012, Pittsburgh, October 2012
73. "Microstructure and Crystallographic Texture evolution during Hot Deformation of the n-type Bismuth Telluride $\text{Bi}_2\text{Se}_{0.3}\text{Te}_{2.7}$," MS&T 2013, Montreal, Canada October 2013

Invited Talks

1. "Microstructure and Crystallographic Texture evolution during Hot Deformation of the n-type Bismuth Telluride $\text{Bi}_2\text{Se}_{0.3}\text{Te}_{2.7}$ " THERMEC-2013 Las Vegas NV, December 2013
2. "Texture Development during Hot Deformation of Bismuth Telluride based alloys," PSG College of Technology, Coimbatore India, February 2013
3. "Texture Development during Hot Deformation of Bismuth Telluride Based Alloys," Indian Institute of Technology Madras, March 2010
4. "Grain Growth in Boron Modified Beta Titanium Alloy – Beta 21S," Indian Institute of Technology Madras, March 2010
5. "An Overview of Processing-Structure-Properties of Boron Modified Titanium Alloys," THERMEC-2009, Berlin Germany, August 2009
6. "Continuous Severe Plastic Deformation (CSPD) Processing of Aluminum," PFAM-17, the Seventeenth International Symposium on Processing and Fabrication of Advanced Materials, Indian Institute of Technology, New Delhi, December 2008
7. "Developments in Titanium Alloy Processing," Defense Metals Technology Center (DMTC) Canton OH, April 2008

8. "Processing of Boron modified Titanium Alloys," Indian Institute of Science, Bangalore, India, November 2007 and Indian Institute of Technology Madras, December 2007
9. "Affordable Thermomechanical Processing of Titanium Alloys via Boron Addition," Indian Institute of Metals, Kalpakkam Chapter, Indira Gandhi Center for Atomic Research (IGCAR), Kalpakkam, December 2006
10. "Deformation Processing Research at Wright State University," Indian Institute of Metals, Kalpakkam Chapter, Indira Gandhi Center for Atomic Research (IGCAR), Kalpakkam, July 2005
11. "Deformation Processing Research at Wright State University," Indian Institute of Science, Bangalore, India, July 2005
12. "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
13. "Severe Plastic Deformation (SPD) Processing of Aluminum," DOE/Ohio Technology Showcase Focusing on Energy Efficient Manufacturing Technologies and Energy Management Best Practices, Cleveland, OH, September 2005
14. "Rolling of Boron Modified Titanium Alloys," AFRL Workshop on Titanium Alloys Modified with Boron, Dayton, OH, October 2005
15. "Forging Studies with SPD Processed Aluminum 6061," Indian Institute of Metals – Chennai Chapter, Indian Institute of Technology Madras, June 2004