CURRICULUM VITAE

Name: Raghavan "Raghu" Srinivasan
Citizenship: USA

Education

Ph.D.	1983	Materials Science and Engineering, State University of New York at Stony Brook.
M.E.	1980	Materials Science and Engineering, University of Florida, Gainesville.
B. Tech.	1978	Metallurgy, Indian Institute of Technology, Madras, India.

Current Position	Wright State University, Dayton, Ohio
8/2020-present	Professor and Chair, Mechanical and Materials Engineering Department
2001-present	Professor, Mechanical & Materials Engineering Department
Previous Positions	
8/2019-7/2020	Interim Chair, Mechanical and Materials Engineering Department, WSU
4/2019-7/2019	Associate Chair, Mechanical and Materials Engineering Department, WSU
2010-2017	Director Materials Science and Engineering Program, WSU
2011-2017	Director for ABET Accreditation and Assessment for College of Engr. and Comp. Science
2014-2015	Sabbatical. AFRL and contract from Wiley for writing text book on mechanical behavior of materials
Summer 2008, 2009, 2010	Summer Faculty Fellow at the US Air Force Research Laboratory (AFRL), Wright Patterson AFB, Ohio
2004 – 2005	Sabbatical at the US Air Force Research Laboratory (AFRL), Wright Patterson AFB, Ohio
Summer 1996	Summer Faculty Fellow at the US Air Force Research Laboratory (AFRL), Wright Patterson AFB, Ohio
1994 - 2001	Associate Professor, Mechanical and Materials Engineering, WSU, Dayton, Ohio
1989 – 1994	Assistant Professor, Mechanical and Materials Engineering, WSU, Dayton, Ohio
1985 – 1989	Research Assistant Professor, Department of Mechanical and Materials Engineering, WSU, Dayton, Ohio
1983 – 1985	National Research Council Resident Research Associate, U.S. Air Force Wright Aeronautical Laboratory, High Temperature Materials Branch, Wright-Patterson Air Force Base, Ohio.

Research Interests

Processing of metals and alloys (ultrafine grain aluminum; boron modified titanium alloys; titanium aluminides, bismuth telluride-based alloys and composites, refractory metals etc.); Processes modeling (Additive manufacturing; diffusion bonding; sheet formability testing; HIP, design of forging dies, etc.), Lattice structures

Professional Activities

Current committee membership and activities

- TMS Accreditation Committee – 2005 – present
- TMS Professional Registration Committee – 2011 - present
- ABET evaluator for Materials Science and Engineering programs – 2007 – present
- ASM-International Dayton Chapter Executive Committee
- ASM-Foundation Materials Camp for Teachers, Organizer, (2009-present)

Peer Reviewer

- Metallurgical and Materials Transactions (Key reader 1996 – 2021), Materials and Manufacturing Processes, Materials Science and Engineering A, Journal of Materials Engineering and Performance,

Journal of Materials Shaping Technology, Journal of Engineering for Industry, Intl. Journal for Numerical Methods in Engineering, Acta Press, International Journal of Materials Research

Publications

Journal Publications

1. A. Fadeel, H. Abdulhadi, G. Newaz, R. Srinivasan, and A. Mian, "Computational Investigation of Post-Yielding Behavior of 3D Printed Polymer Lattice Structures," Journal of Computational Design and Engineering, Vol 9, pp 263–277, 2022 (https://doi.org/10.1093/jcde/qwac001).
2. A. Fadeel, H. Abdulhadi, R. Srinivasan, and A. Mian, "ABAQUS Plugin Finite Element Tool for Designing and Analyzing Lattice Cell Structures," Advances in Engineering Software (accepted May 2022)
3. A. Fadeel, H. Abdulhadi, R. Srinivasan, and A. Mian, "A Computational Approach in Understanding the Low Velocity Impact Behavior and Damage of 3D Printed Polymer Lattice Structures," Journal of Materials Engineering and Performance, Vol. 30, pp 6511-6521, 2021 (https://doi.org/10.1007/s11665-021-05873-3)
4. M. Al Rifaie, A. Mian, P. Katiyar, P. Majumdar, and R. Srinivasan, "Drop-Weight Impact Behavior of Three-Dimensional Printed Polymer Lattice Structures with Spatially Distributed Vertical Struts," Journal of Dynamic Behavior of Materials, vol. 5, issue 4, pp. 387-395 (https://doi.org/10.1007/s40870-019-00199-7).
5. M. Al Rifaie, A. Mian, and R. Srinivasan, "Compression Behavior of Three-Dimensional Printed Polymer Lattice Structures," Part L: Journal of Materials: Design and Applications, vol. 233(8), pp. 1574-1584, Aug 2019 (https://doi.org/10.1177/1464420718770475).
6. A. Fadeel, A. Mian, M. Al Rifaie, and R. Srinivasan, "Effect of Vertical Strut Arrangements on Compression Characteristics of 3D Printed Polymer Lattice Structures: Experimental and Computational Study," Journal of Materials Engineering and Performance, vol. 28, no. 2, pp. 709-716, February 2019 (https://doi.org/10.1007/s11665-018-3810-z) (Invited Paper)
7. M. Pinnell, S. Franco, L. Petry, A. Mian, B. Doudican, and R. Srinivasan, "Leveraging Regional Strengths for STEM Teacher Professional Development: Results from an NSF RET Program Focused on Advanced Manufacturing and Materials," Research in the School, vol. 25, no. 1, pp. 20-34, Spring 2019.
8. A. Turner, M. Al Rifaie, A. Mian, and R. Srinivasan, "Low-Velocity Impact Behavior of Sandwich Structures with Additively Manufactured Polymer Lattice Cores," Journal of Materials Engineering and Performance, vol. 27, no. 5, pp. 2505-2512, May 2018 (https://rdcu.be/QvUv, DOI:10.1007/s11665-018-3322-x).
9. C. Kusuma, S. Ahmed, A. Mian, and R. Srinivasan, "Effect of Laser Power and Scan Speed on Melt Pool Characteristics of Commercially Pure Titanium (CP-Ti)," Journal of Materials Engineering and Performance, vol. 26, no. 7, pp. 3560-3568, July 2017 (http://rdcu.be/y8PF, DOI:10.1007/s11665-017-2768-6).
10. 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
11. R. Srinivasan, K. McReynolds, N.W. Gothard, J. Spowart, "Texture Development during Deformation Processing of the n-type Bismuth Telluride Alloy $Bi_2Se_{0.3}Te_{2.7}$," Materials Science and Engineering A, Vol. 588, pp 376–387, 2013
12. 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

13. 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
14. 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
15. 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 inTi-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
16. 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
17. R. Srinivasan, N. Gothard, and J. Spowart, "Improvement in thermoelectric properties of an n-type bismuth telluride ($Bi_2Se_{0.3}Te_{2.7}$) 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
18. 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
19. 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
20. 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
21. 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
22. 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
23. S. Tamirisakandala, D.B. Miracle, R. Srinivasan, J.S. Gunasekera, "Titanium Alloyed with Boron," Advanced Materials and Processes, pp 41-43, December 2006
24. 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
25. 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
26. 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
27. 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
28. 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
29. 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

30. 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
31. 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
32. 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
33. A.J. Beaudoin, R. Srinivasan, and S.L. Semiatin, "Microstructure Modeling and Prediction during Thermomechanical Processing," JOM, pp 25-29, January 2002
34. Z. Li, R. Grandhi, and R. Srinivasan, "Distortion Minimization during Gas Quenching Process," Journal of Materials Engineering and Processes, pp 125-134, 2001
35. 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.
36. 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.
37. 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.
38. 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.
39. R. Srinivasan, "Computer Simulation of the Equal Channel Angular Extrusion (ECAE) Process," Scripta Materialia, Vol. 44, pp. 91-96, 2001.
40. 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.
41. 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
42. 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
43. 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
44. 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.
45. 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
46. R. Srinivasan, "Application of Monte-Carlo Method to the Dissolution of a Polycrystalline Solid," Materials Letters, Vol. 31, pp. 5-9, 1997
47. 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.
48. 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.

49. 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.
50. 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
51. 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.
52. 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.
53. 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.
54. 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.
55. A. Szaruga, L. Rothenflue, R. Srinivasan, and H.A. Lipsitt, "The Workability of 'XD' Titanium Aluminide Alloys with Low Volume Fraction of TiB_2," Scripta Metallurgica et Materialia, Vol. 26, pp 1565-1570, 1992.
56. 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.
57. B. Cockeram, R. Srinivasan, and I. Weiss, "The Effect of Nb_3Si 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.
58. B. Cockeram, M. Saqib, R. Srinivasan, and I. Weiss, "Role of Nb_3Si 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.
59. 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.
60. M. Saqib, R. Srinivasan, and I. Weiss, "Ordering Transformations in the Nb_3Si Phase in Nb-10Si Alloy," Scripta Metallurgica et Materialia, Vol. 27, pp 425-430, 1992.
61. 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.
62. 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.
63. 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.
64. R. Srinivasan and I. Weiss, "Formation of Surface Depressions during Hot Isostatic Pressing (HIP)," Scripta Metallurgica et Materialia Vol. 24, pp. 2413-2418, 1990.
65. 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
66. 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
67. 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

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69. 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. A. Mian, M. Pinnell, S. Franco, L. Petry, B. Doudican, and R. Srinivasan, "Lesson Learned from a Collaborative NSF RET Program involving Three Regional Universities," ASEE Annual Conference and Exposition, Salt Lake City, UT, June 2018.
2. Benjamin Lewis, Jonah Leary, Cynthia Dickman, Walter Petroski, Victoria Bellows, Abbie Morneault, Amanda Bucher, Diondra Copeland, Ahsan Mian, and Raghavan Srinivasan, "The NSF REU/RET Research on Energy Absorbing 3D Printed Polymer Structures," 2017 ASME International Mechanical Engineering Congress & Exposition, Tampa, FL, November 2017.
3. L. Petry, M. Pinnell, S. Franco, B. Doudican, A. Mian, and R. Srinivasan, "Collaborative Community-based Research Experience in Materials and Manufacturing," ASEE Annual Conference and Exposition, Cincinnati, OH, June 2017.
4. A. Mian, M. Pinnell, L. Petry, R. Srinivasan, S. Franco, M. Taylor, and S. Preiss, "Summer Research and Collaborative Professional Development Experience for NSD RET Teachers in Advanced Manufacturing and Materials," Proceedings of IMECE2016, ASME International Mechanical Engineering Congress and Exposition, Phoenix AZ, November 11-17 2016
5. M. Pinnell, M. Taylor, L. Petry, R. Srinivasan, S. Franco, A. Mian, and S. Preiss, "Assessment of a Collaborative NSF RET Program Focused on Advanced Manufacturing and Materials," ASEE Annual Conference and Exposition, New Orleans, LA, June 2016
6. S. Ahmed, A. Mian, and R. Srinivasan, "Effects of Process Parameters on Hardness, Hardness and Solidification Rate of Different Layers Processed Using Direct Metal Laser Sintering (DMLS)," 11th International Conference on Mechanical Engineering, ICME 2015, Dhaka, Bangladesh, December 2015.
7. 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
8. 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
9. S. Roy, S. Suwas, S. Tamirisakandala, R. Srinivasan and D.B. Miracle, "Processing Response of Boron Modified Ti-6Al-4V Alloy In (α+β) Working Regime," Proceedings of the 138th TMS Annual Meeting, San Francisco, February 15-19 2009
10. 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
11. 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
12. 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
13. 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
14. B. Cherukuri and R. Srinivasan, "Optimization of the Equal Channel Angular Pressing (ECAP) Process for Strain Homogeneity ," Thermec-2006, Vancouver BC, Canada, July 2006

15. 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)
16. 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
17. 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. *I*
18. 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.
19. 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.
20. 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
21. 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. *I*
22. 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. *I*
23. 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.
24. 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. *I*
25. 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. *I*
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