CONFERENCE PRESENTATIONS AND INVITED LECTURES SINCE OCT. 2008

1. (plenary) V. Selvamanickam, "Status of Coated Conductor and HTS Device Projects in USA", International Superconductivity Symposium, Tokyo, Japan, November 18-20, 2013
2. (invited) V. Selvamanickam, "Status of HTS wire development", 11th Electric Power Research Institute, Houston, October 28 – 30, 2013
3. V. Selvamanickam, P. Dutta, Y. Gao, Y. Yao, R. Wang, M. Rathi, E. Galstyan, A. Mehrotra, and A. Freundlich and P. Ahrenkiel, "Thin film III-V photovoltaics on low-cost, flexible metal substrates using single-crystalline-like Germanium films" Photovoltaics Manufacturing Workshop, Denver, Sep. 10 – 12, 2013
4. A. Xu, N. Khatri, Y. Liu, Y. Chen, C. Lei, J. Jaroszynski, D. Larbalestier and V. Selvamanickam "High performance BZO+REBCO MOCVD coated conductor for magnet applications", Magnet Technology Conference, Boston, July 14-19 2013
5. (invited) V. Selvamanickam, "Recent progress in coated conductor development at U. Houston", *US-Japan Workshop on Advanced Superconductors,* Dayton, July 10 - 12, 2013
6. Y. Gao, R. Wang, P. Dutta and V. Selvamanickam, "Optimization of a single crystalline-like germanium thin film growth on inexpensive flexible substrates and fabrication of germanium bottom junction" *39th IEEE Photovoltaic Specialists Conference (PVSC), Tampa, FL,* June 16-21, 2013
7. P. Dutta, M. Rathi, P. Ahrenkiel, Y. Gao, A. Mehrotra, E. Galstyan, M. Iliev, B. Makarenko, R. Forrest, A. Freundlich, V. Selvamanickam, "Epitaxial thin film GaAs deposited by MOCVD on Low-Cost, Flexible Substrates for High Efficiency Photovoltaics*" 39th IEEE Photovoltaic Specialists Conference (PVSC), Tampa, FL,* June 16-21, 2013
8. (invited) V. Selvamanickam, "Recent development and future prospects of coated conductors in the US" *Cryogenics and Superconductivity Society of Japan,* Fukuoka, Japan, March 15, 2013
9. (invited) V. Selvamanickam, "Advanced Materials for Energy Applications" Kyushu University, Japan, March 14, 2013
10. (invited) G. Majkic and V. Selvamanickam, "Mechanical Integrity of 2G-HTS Wire Under Transverse Loading" *MEM-13,* Aix-en Provence, France, March 14, 2013
11. (invited) V. Selvamanickam, A. Xu, Y. Liu, N. Khatri, E. Galtsyan, G. Majkic, Y. Chen and C. Lei, "Progress in development of coated conductors for high-field, low-temperature applications", *Materials Research Society Spring Meeting,* San Francisco, March 1 - 5, 2013
12. I. Kesgin, G. Majkic and V. Selvamanickam, "Influence of Selectively Electroplated Stabilizer Thickness on AC Loss Performance of Multifilamentary HTS Conductors" *Materials Research Society Spring Meeting,* San Francisco, March 1 - 5, 2013
13. V. Selvamanickam, G. Majkic, E. Galstyan and I. Kesgin "Delamination in multilayered thin film oxide superconductor composite tapes", *International Conference on Advanced Ceramics and Composites,* Daytona Beach, FL, Jan. 28 – Feb.1, 2013

14. (invited) V. Selvamanickam, A. Xu, Y. Liu, N. Khatri, E. Galtsyan, and G. Majkic, Y. Chen and C. Lei "Progress in development of coated conductors for coil applications in high magnetic fields at low temperatures", *Electronic Materials and Applications,* Orlando, FL, January 23 – 25, 2013

15. P. Dutta, R. Wang, Y. Gao, M. Yang, Y. Yao, G. Majkic, E. Galstyan and V. Selvamanickam "Growth of epitaxial, high-mobility germanium thin films for solar cell fabrication on flexible polycrystalline metal substrates", *Materials Research Society Fall Meeting,* Boston, November 26 – 30 (2012)

16. (invited) V. Selvamanickam, I. Kesgin, X. Cai and G. Majkic, "Fully-filamentized HTS coated conductors by striation and selective electroplating", *International Workshop on Coated Conductors for Applications,* Heidelberg, Germany, November 13 - 16, 2012

17. (invited) V. Selvamanickam, "Research activities in U.S. on coated conductors" *International Workshop on Coated Conductors for Applications,* Heidelberg, Germany, November 13 - 16, 2012

18. (invited) G. Majkic, Y. Yao, Y. Liu, J. Liu, N. Khatri, E. Galtsyan, and V. Selvamanickam "Improved coated conductors for high-field operation at low Temperatures", Low Temperature High Field Superconductor Workshop, November 5-7, 2012

19. V. Selvamanickam, P. Dutta, R. Wang, Y. Gao, M. Yang, G. Majkic, and E. Galstyan "Novel, Single-Crystalline-like Silicon on Low-Cost, Flexible Substrates for High Efficiency Thin Film Photovoltaics", 59th American Vacuum Society International Symposium, Tampa, FL, October 29 – Nov. 2, 2012

20. V. Selvamanickam, Y. Yao, Y. Liu, J. Liu, N. Khatri, E. Galtsyan, and G. Majkic, "Progress in development of MOCVD-based coated conductors", *Applied Superconductivity Conference, Portland, Oregon, October 7 – 12, 2012*

21. X. Cai, I. Kesgin, R. Schmidt, Y. Chen and V. Selvamanickam, "Completely Etch-free Fabrication of Multifilamentary Coated Conductor Using Inkjet Printing and Electrodeposition", *Applied Superconductivity Conference, Portland, Oregon, October 7 – 12, 2012*

22. N. D. Khatri, G. Majkic, R. Wang, A. Sundaram, S. Sambandam, and V. Selvamanickam, "Pre-fabricated Metal Nanorods on Biaxially-textured Templates on Flexible Substrates for REBCO Superconductors", *Applied Superconductivity Conference, Portland, Oregon, October 7 – 12, 2012*

23. I. Kesgin, G. Majkic, and V. Selvamanickam, "Effect of Selectively Electrodeposited Stabilizer Thickness on AC Loss Behavior of Fully-Filamentized HTS Wire", *Applied Superconductivity Conference, Portland, Oregon, October 7 – 12, 2012*

24. G. Majkic, E. Galstyan, Y. Zhang and V. Selvamanickam, "Investigation of Delamination Mechanisms in IBAD-MOCVD REBCO Coated Conductors", *Applied Superconductivity Conference, Portland, Oregon, October 7 – 12, 2012*

25. G. Majkic, Y. Yao, J. Liu, Y. Liu, N. Khatri, T. Shi, Y. Chen, E. Galstyan, C. Lei and V. Selvamanickam, "Effect of High BZO Dopant Levels on Performance of 2G-HTS MOCVD Wire

at Intermediate and Low Temperatures", *Applied Superconductivity Conference, Portland, Oregon, October 7 – 12, 2012*

26. Y. Chen and C. Lei, E. Galstyan, J. Liu, Y. Liu, N. Khatri, Y. Yao, T. Shi and V. Selvamanickam, "Interaction between $BaZrO_3$ nano-rods and RE_2O_3 nano-dots and its effects on the flux pinning in Zr:REBCO tapes", *Applied Superconductivity Conference, Portland, Oregon, October 7 – 12, 2012*
27. C. Lei, E. Galstyan, Y. Chen, T. Shi, Y. Liu, N. Khatri, J. Liu, X. Xiong, G. Majkic and V. Selvamanickam, "The structural evolution of $(Gd,Y)Ba_2Cu_3O_x$ tapes with Zr addition made by metal organic chemical vapor deposition" *Applied Superconductivity Conference, Portland, Oregon, October 7 – 12, 2012*
28. (invited) V. Selvamanickam, Y. Chen, Y. Yao, Y. Liu, J. Liu, N. Khatri, E. Galtsyan, C. Lei and G. Majkic, "Improving Critical Current of Coated Conductors in High Magnetic Fields", Materials and Mechanisms of Superconductivity (M2S) conference, Washington D.C., July 29 – Aug. 3, 2012
29. V. Selvamanickam, R. Wang, G. Majkic and E. Galtsyan, "Single-Crystalline-Like Germanium Templates on Low-Cost, Flexible Substrates for High Efficiency Photovoltaics", *Photovoltaics Specialist Conference (PVSC),* Austin, June 4-8, 2012
30. (invited) V. Selvamanickam, "Recent developments in High Performance Coated Conductor for High-field Applications", *Muon Accelerator Program (MAP) HTS Magnet Workshop,* Fermi National Laboratory, May 30-31, 2012
31. V. Selvamanickam, R. Wang, J. Cao, G. Majkic, E. Galstyan, Y. Gao, A. Mehrotra, and A. Freundlich, "R2R Processing of Novel, Single-Crystalline-like Templates on Low-Cost, Flexible Substrates for High Efficiency Photovoltaics", *Materials Research Society Spring Meeting,* San Francisco, April 9 – 13, 2012
32. I. Kesgin, G. Majkic, E. Galstyan and V. Selvamanickam, "A Simple, Cost Effective Method to Achieve Fully-Filamentized Low AC Loss 2G HTS Coated Conductors", *Materials Research Society Spring Meeting,* San Francisco, April 9 – 13, 2012
33. (invited) V. Selvamanickam, "High Temperature Superconductors for Power and Magnetic Applications", *University of Illinois,* Chicago, April 6, 2012.
34. (invited) G. Majkic and V. Selvamanickam, "Mechanical Integrity of 2G-HTS Wire Under Transverse Loading", *Second Coated Conductor Roundtable,* National High Field Magnet Laboratory, Tallahassee, FL, March 29, 2012
35. (invited) V. Selvamanickam, "High Temperature Superconductors for Power and Magnetic Applications", *Lunar Superconductor Applications Workshop,* Houston, March 15-16, 2012.
36. (invited) V. Selvamanickam, "Advanced Thin Film Materials for Clean Energy Applications", *University of St. Thomas,* Houston, March 7, 2012.
37. V. Selvamanickam, S. Sambandam, R. Wang, C. Jian, G. Majkic, M. Yang, Y. Gao, E. Galstyan, A. Mehrotra, A. Freundlich, "Novel, Single-Crystalline-like Templates on Low-Cost, Flexible Substrates for High Efficiency Thin Film Photovoltaics", *Materials Challenges in Alternative and Renewable Energy,* Clearwater, FL, February 26 – March, 2, 2012.

38. V. Selvamanickam, G. Majkic, Y. Yao, T. Shi, Y. Liu, and E. Galtsyan, Y. Chen, C. Lei, and X. Xiong "Nanoscale Defect Engineering for High Critical Currents in Epitaxial High Temperature Superconducting (HTS) Tapes", *International Conference on Advanced Ceramics and Composites,* Daytona Beach, FL, Jan. 23-26, 2012.

39. (invited) V. Selvamanickam, "Advances in Research in Superconductivity and Energy Applications", *National Institute of Technology,* Tiruchirapalli, India, January 10, 2012.

40. (invited) V. Selvamanickam, "High Temperature Superconductors for Electric Power and Magnetic Applications", *Central Power Research Institute,* Bangalore, India, January 5, 2012.

41. (invited) V. Selvamanickam, "Single Crystalline-like Thin Films on Inexpensive Substrates to combine High Performance with Low Cost", *Indian Institute of Science,* Bangalore, India, January 4, 2012.

42. (invited) V. Selvamanickam, G. Majkic, I. Kesgin, Y. Yao, T. Shi, Y. Liu, X. Cai, X. Tao, N. Khatri, E. Galtsyan, Y. Chen, C. Lei, S. Sambandam, and X. Xiong, "Advancements in Coated Conductors for Magnetic and Power Applications" *International Superconductivity Summit,* Tokyo, Japan, November 24 - 26, 2011

43. (invited) V. Selvamanickam, "High Temperature Superconducting Materials for High-Power, Light-Weight Generators for Wind Energy and Other Applications", *Trilateral EU-Japan-U.S. Conference on Critical Materials for a Clean Energy Future,* Washington D.C, October 4-5, 2011.

44. (invited) V. Selvamanickam, "High Temperature Superconductors for Electric Power and Magnetic Applications", *105th Topical Symposium of the American Physical Society,* Oneonta, NY, October 7-8, 2011.

45. (plenary) V. Selvamanickam, "Coated Conductors: From R&D to manufacturing to commercial applications", *European Conference on Applied Superconductivity,* The Hague, Netherlands, September 19-23, 2011.

46. V. Selvamanickam, A. Sundaram, J. Cao, G. Majkic, A. Mehrotra, A. Freundlich, S. Sambandam and X. Xiong "Novel, single-crystalline-like templates on low-cost, flexible substrates for high-efficiency photovoltaics" *Photovoltaics Specialist Conference (PVSC),* Seattle, June 20-24, 2011

47. V. Selvamanickam, S. Sambandam, G. Majkic, A. Sundaram, A. Mehrotra, and A. Freundlich, "Thin Film III-V Photovoltaics on Flexible Metal Substrates and Defect Mitigation Strategies" *Electronic Materials Conference,* Santa Barbara, June 22-24, 2011

48. (invited) V. Selvamanickam, 2G HTS Wires for High Magnetic Field Applications, *HTS Fusion Workshop,* Karlsruhe, Germany, May 26-27, 2011

49. (invited) V. Selvamanickam, G. Majkic, I. Kesgin, N. Khatri, T. Shi, Y. Yao, Y. Liu, R. Wang, A. Sundaram, Y. Zhang, X. Cai, X. Tao, and E. Galtsyan, Y. Chen, S. Sambandam, and Y. Qiao "Recent developments in IBAD-MOCVD based coated conductors", *Materials Research Society Spring Meeting,* San Francisco, April 25 – 29, 2011

50. V. Selvamanickam, A. Sundaram, J. Cao, G. Majkic, A. Mehrotra, A. Freundlich, S. Sambandam and X. Xiong, T. Fanning, and C. Teplin, "Thin film III-V and Si photovoltaics on inexpensive

flexible metal substrates", *Materials Research Society Spring Meeting,* San Francisco, April 25 – 29, 2011

51. V. Selvamanickam, G. Majkic, A. Sundaram, A. Mehrotra, A. Freundlich, and S. Sambandam, "Flexible III-V photovoltaic films on metal substrates and studies of defect mitigation strategies", *Materials Research Society Spring Meeting,* San Francisco, April 25 – 29, 2011
52. (invited) V. Selvamanickam, "Thin Film Photovoltaics on Inexpensive Substrates to combine High Performance with Low Cost", *Applied Materials,* Santa Clara, CA, April 29, 2011
53. (invited) V. Selvamanickam, "Single Crystalline-like Thin Films on Inexpensive Substrates to combine High Performance with Low Cost", *Corning,* Corning, NY, April 7, 2011
54. (invited) V. Selvamanickam, S. Sambandam, A. Sundaram, A. Mehrotra, and A. Freundlich "Thin film III-V photovoltaics on inexpensive flexible metal substrates", *Photovoltaics World Conference*, Tampa, March 8 – 10, 2011
55. (invited) V. Selvamanickam, "High Temperature Superconductors for Power Applications", *Lunar Superconductor Applications Workshop,* Houston, March 3 – 5, 2011.
56. (invited) V. Selvamanickam, "Second-generation HTS Wires for Wind Energy Applications", *Symposium on Superconducting Devices for Wind Energy*, Barcelona, Spain, February 25, 2011
57. (invited) V. Selvamanickam, A. Guevara, T. Shi, Y. Yao, Y. Zhang, I. Kesgin, , Y. Liu, X. Tao, N. Khatri and G. Majkic, "Improved Flux Pinning by Nanoscale Defects in Epitaxial High Temperature Superconducting Films", *Electronic Materials and Applications,* Orlando, January 19 – 21, 2011.
58. V. Selvamanickam, "R2R processing of epitaxial thin films on flexible, low-cost substrates", *Materials Research Society Fall Meeting,* Boston, Nov. 29 – Dec. 3, 2010
59. (plenary) V. Selvamanickam, I. Kesgin, T. Shi, Y. Yao, Yue Zhang, Y. Liu, N. Khatri, X. Tao, A. Guevara, Yangxin Zhang, G. Majkic, Y. Chen, Y. Qiao, S. Sambandam, G. Carota, A. Rar, Y. Xie, and J. Dackow "Progress in Development of IBAD-MOCVD based Coated Conductors" *International Superconductivity Summit (ISS),* Tsukuba, Japan, November 1 - 3, 2010
60. (invited) V. Selvamanickam, I. Kesgin, A. Guevara, T. Shi, Y. Yao, X. Tao, N. Khatri, A. Sundaram, Y. Zhang, G. Majkic, Y. Chen, S. Sambandam, G. Carota, and J. Dackow, "Nanostructural defect control in MOCVD for improved flux pinning", *International Workshop on Coated Conductors for Applications,* Fukuoka, Japan, October 28 – 30, 2010.
61. (invited) V. Selvamanickam, I. Kesgin, A. Guevara, T. Shi, Y. Yao, Yue Zhang, Yangxin Zhang, G. Majkic, Y. Chen, Y. Qiao, S. Sambandam, G. Carota, A. Rar, Y. Xie, and J. Dackow, "High performance MOCVD-based 2G HTS wires : status and outlook", *International Workshop on Coated Conductors for Applications,* Fukuoka, Japan, October 28 – 30, 2010.
62. (invited) V. Selvamanickam, I. Kesgin, Y. Zhang, G. Majkic and Y. Qiao, "Scalable approaches for fully filamentized conductor for low ac losses", *International Workshop on Coated Conductors for Applications,* Fukuoka, Japan, October 28 – 30, 2010.

63. V. Selvamanickam, A. Sundaram, A. Mehrotra, and A. Freundlich, and S. Sambandam, "Thin film III-V photovoltaics on flexible metal substrates using single-crystalline-like germanium films", *Photovoltaics Materials and Manufacturing Workshop,* Denver, October 5 - 7, 2010

64. (invited) Y. Chen, T. Shi, A. P. Guevara, Y. Zhang, I. Kesgin, Y. Yao and V. Selvamanickam, "Composition Effects on the Critical Current of MOCVD-processed Zr:GdYBCO Coated Conductors in an Applied Magnetic Field", *Materials Science and Technology (MS&T),* Houston, TX, October 17-22, 2010

65. S. Sambandam, V. Selvamanickam, S. Lee, A. Sundaram, A. Rar, and X. Xiong, "δ- Bi_2O_3 Films as a Buffer Layer for Epitaxial Germanium Films on Randomly Textured Metal Substrates" , *Materials Science and Technology (MS&T),* Houston, TX, October 17-22, 2010

66. G. Majkic, Y. Qiao, I. Kesgin, Y. Zhang, R. Schmidt and V. Selvamanickam, "A Bottom-Up Striation Technique for AC Loss Mitigation of Coated Conductors", *Materials Science and Technology (MS&T),* Houston, TX, October 17-22, 2010

67. (invited) V. Selvamanickam, A. Sundaram, S. Lee, A. Mehrotra, and A. Freundlich S. Sambandam and A. Rar, "Single-crystalline-like Germanium Films on Polycrystalline, Flexible Substrates", *International Materials Research Congress,* Cancun, Mexico, August 16 - 19, 2010

68. (invited) V. Selvamanickam, I. Kesgin, A. Guevara, T. Shi, Y. Yao, Yue Zhang, Yangxin Zhang, G. Majkic, Y. Chen, Y. Qiao, S. Sambandam, G. Carota, A. Rar, Y. Xie, and J. Dackow, "Progress in research and development of IBAD-MOCVD based superconducting wires", *Applied Superconductivity Conference,* Washington D.C., August 1 - 6, 2010

69. Y. Chen, T. Shi, A. P. Guevara, Y. Zhang, I. Kesgin, Y. Yao and V. Selvamanickam, "Composition Effects on the Critical Current of MOCVD-processed Zr:GdYBCO Coated Conductors in an Applied Magnetic Field", *Applied Superconductivity Conference,* Washington D.C., August 1 - 6, 2010

70. G. Majkic, Y. Qiao, I. Kesgin, and V. Selvamanickam, "AC Loss Filamentization of 2G-HTS Tapes by Buffer Stack Removal", *Applied Superconductivity Conference,* Washington D.C., August 1 - 6, 2010

71. Y. Qiao, Y. Chen, X. Xiong, S. Kim, V. Matias, C. Sheehan, Y. Zhang and V. Selvamanickam, "Scale-up of Coated Conductor Substrate Process by Reel-to-reel Planarization of Amorphous Oxide Layers," *Applied Superconductivity Conference,* Washington D.C., August 1 - 6, 2010

72. V. Selvamanickam, A. Sundaram, S. Lee, A. Mehrotra, A. Freundlich, S. Sambandam, A. Rar, and X. Xiong, "Novel, single-crystalline-like templates on low-cost, flexible substrates for high efficiency photovoltaics", *Photovoltaic Specialist Conference (PVSC-35),* Honolulu, June 20 - 25, 2010

73. A. Freundlich, C. Rajapaksha, A. Alemu, A. Mehrotra, M. C. Wu, S. Sambandam, and V. Selvamanickam, "Single crystalline gallium arsenide photovoltaics on flexible metal substrates", Proc *Photovoltaic Specialist Conference (PVSC-35),* Honolulu, June 20 - 25, 2010

74. (invited)) V. Selvamanickam, "Outlook and Research Needs for 2G HTS Wires", DOE Wire Workshop, Houston, June 2010

75. V. Selvamanickam, "MOVPE of high performance oxide superconducting films on flexible metal substrates", *International Conference of Metal Organic Vapor Phase Epitaxy,* Incline Village, Nevada, May 22 – 25, 2010

76. V. Selvamanickam, A. Sundaram, S. Lee, and A. Freundlich, "Reducing defect density in III-V photovoltaic films on flexible substrates", *Materials Research Society (MRS) Spring Meeting,* San Francisco, April 5-10, 2010

77. V. Selvamanickam, A. Guevara, I. Kesgin, Y. Zhang, S. Tuo, Y. Yao and G. Majkic, "Enhanced pinning in MOCVD-based coated conductors", *Materials Research Society (MRS) Spring Meeting,* San Francisco, April 5-10, 2010

78. A. Rar, Y. Xie, and J. Dackow, and V. Selvamanickam, "Real Time Process Control and Quality Control of Long-length Second-generation HTS Wires", *Materials Research Society (MRS) Spring Meeting,* San Francisco, April 5-10, 2010

79. V. Selvamanickam, A. Freundlich, A. Sundaram, S. Lee, S. Sambandam, A. Rar, and X. Xiong, "III-V photovoltaics on flexible metal substrates using biaxially-textured Germanium films", *Energy 2010 conference,* Cocoa Beach, FL, February 22 – 24, 2010

80. (invited lecture) V. Selvamanickam, "Status and Outlook for Second-generation HTS wires", IOP Seminar, London, January 2010

81. (invited lecture) V. Selvamanickam, "Second-generation HTS wires : From R&D to Manufacturing", Cambridge University, January 2010

82. V. Selvamanickam, Y. Chen, G. Majkic, A. Guevara, Y. Zhang, I Kesgin, B. Zhang, G. Carota, D. Hazelton, Y. Xi2, S. Sambandam, and J. Dackow, "Second Generation HTS wires with enhanced in-field performance", *U.S. – Japan Workshop on Advanced Superconductors,* Tallahassee, FL, December 14-15, 2009

83. V. Selvamanickam , G. Majkic, B. Zhang, A. Guevara, I. Kesgin, and Y. Zhang, Y. Chen, G. Carota, Y. Qiao, A. Rar, , Y. Xie, J. Dackow, A. Goyal, C. Cantoni, and Y. Zuev, "Improved in-field performance in MOCVD-based coated conductors", *International Workshop on Coated Conductor for Applications Workshop,* Barcelona, Nov. 21 - 23, 2009

84. (invited)) V. Selvamanickam , Y. Chen, G. Carota, Y. Qiao, A. Rar, A. Knoll, Y. Xie, and J. Dackow, "Status and outlook for IBAD-MOCVD-based coated conductors", *International Workshop on Coated Conductor for Applications Workshop,* Barcelona, Nov. 21 - 23, 2009

85. (invited lecture) V. Selvamanickam, "Advanced Materials Development for Energy Applications", Lamar University, October 1, 2009

86. A. Freundlich, G. Radhakrishnan, C. Rajapaksha, V. Selvamanickam, A. Sundaram, S. Lee, S. Sambandam , X. Xiong, A. Alemu and I. Sear, "MBE grown single crystalline GaAs on flexible polycrystalline metal substrates", *North American Molecular Beam Epitaxy*, Princeton, August 9 – 12, 2009

87. V. Selvamanickam, A. Freundlich, A. Sundaram, S. Lee, S. Sambandam, A. Rar, and X. Xiong, "Heteroepitaxial growth of single crystalline-like films of Ge and Si on flexible, polycrystalline substrates", *Electronic Material Conference (EMC),* University Park, June 24 - 26 , 2009

88. V. Selvamanickam, A. Freundlich, A. Sundaram, S. Lee, S. Sambandam, A. Rar, and X. Xiong, "Single Crystalline-like Films on Flexible, Lattice Mismatched Substrates for Photovoltaic Applications", *Photovoltaic Specialist Conference (PVSC-34),* Philadelphia, June 7 - 12 , 2009

89. V. Selvamanickam, A. Freundlich, A. Sundaram, S. Lee, S. Sambandam, A. Rar, and X. Xiong, "Heteroepitaxial growth of single crystalline-like films of Ge and Si on flexible, polycrystalline substrates", *International Conference on Silicon Epitaxy and Heterostructures (ICSI-6),* Los Angeles, May 18 - 22 , 2009

90. (invited) V. Selvamanickam, A. Freundlich, A. Sundaram, S. Lee, S. Sambandam, X. Xiong, and Y. Chen, "Thin Film Based Superconductor and Photovoltaic flexible tapes for Electric Power Applications", *International Conference on Metallurgical Coatings and Thin Films (ICMCTF),* San Diego, April 27 – May 1, 2009

91. (invited) V. Selvamanickam, A. Guevara, I. Kasegn, Y. Zhang, and G. Majkic , Y. Chen, J. Xie, M. Martchevskii, and A. Rar "High Critical Currents and Enhanced Pinning in MOCVD-derived Superconducting Films", Paper CC2.6, Nanoscale Functionalization and New Discoveries in Modern Superconductivity Symposium, *Materials Research Society (MRS) Spring Meeting,* San Francisco, April , 2009

92. V. Selvamanickam and B. Zhang, "New Approach to Improve Figure of Merit in Oxide Thermoelectrics", Paper N9.7, Materials and Devices for Thermal to Electric Energy Conversion Symposium, *Materials Research Society (MRS) Spring Meeting,* San Francisco, April , 2009

93. V. Selvamanickam, A. Freundlich, A. Sundaram, S. Lee, and S. Sambandam, "Single Crystalline-like Films on Flexible, Polycrystalline Substrates for III-V Photovoltaics", Paper M9.3, Thin Film Compound Semiconductor Photovoltaics Symposium, *Materials Research Society (MRS) Spring Meeting,* San Francisco, April , 2009

94. (invited) V. Selvamanickam "Kilometer lengths 2G HTS wire demonstrated : Where do we go from here ?" *Coated Conductor for Applications Workshop,* Houston, Dec. 5 – 7, 2008

95. (invited) V. Selvamanickam "Strategies to Reach 2G HTS Wire Price of $50/kA-m without High Volume Production" *Coated Conductor for Applications Workshop,* Houston, Dec. 5 – 7, 2008

96. S. Sambandam, X. Xiong, A. Rar, K. P. Lenseth and V. Selvamanickam, "Development of High Rate Y_2O_3 Seed Layer by Reactive Sputter Deposition for 2G HTS Wire" *Coated Conductor for Applications Workshop,* Houston, Dec. 5 – 7, 2008

97. M. Martchevskii, X. Zhang, Y. Xie, and V. Selvamanickam, "Development of low ac loss multifilamentary 2G wire",*Coated Conductor for Applications Workshop,* Houston, Dec. 5 – 7, 2008