List Of 2013 Reports

ID#	Title, First Author, and Category	Status
119	**Title:** Design and Construction of the Conical Bore Resistive Insert for the SCH **First Author:** Toth, J., NHMFL, MS&T, toth@magnet.fsu.edu **PI:** Bird, M.D., NHMFL, MS&T, bird@magnet.fsu.edu **Category:** Magnet Technology **Facility:** MS & T **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** Yes **Director's Recommendation:** Yes **Director's Comments:** None	Edited
186	**Title:** Observation of Helium Gas Bubble Trapped in HTS Coil Test **First Author:** Bai, H.B., FSU, NHMFL, bai@magnet.fsu.edu **PI:** Bai, H.B., FSU, NHMFL, bai@magnet.fsu.edu **Category:** Magnet Technology **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** Yes **Director's Recommendation:** Yes **Director's Comments:** None	Edited
199	**Title:** Performance of the First Prototype Coil for the 32 T All-Superconducting Magnet **First Author:** Weijers, H.W., NHMFL, MST, weijers@magnet.fsu.edu **PI:** Weijers, H.W., NHMFL, MST, weijers@magnet.fsu.edu **Category:** Magnet Technology **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Accepted by** IEEE Trans. Appl. Supercond. volume 24, issue 3 **Sign. Achievement:** Yes **Director's Recommendation:** Yes **Director's Comments:** None	Edited
216	**Title:** Efficiency Analysis of Quench Protection Heaters for the NHMFL 32T All- Superconducting Magnet Insert **First Author:** Gavrilin, A.V., Florida State University, National High Magnetic Field Laboratory, gavrilin@magnet.fsu.edu **PI:** Weijers, H.W., Florida State University, National High Magnetic Field Laboratory, weijers@magnet.fsu.edu **Category:** Magnet Technology **Facility:** MS & T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** Yes **Director's Recommendation:** Yes **Director's Comments:** None	Edited
407	**Title:** Reduction of Temporal Field Fluctuations in Powered Magnets using Feedback Control **First Author:** Thomson, B.F.T., The Pennsylvania State University, Electrical Engineering, bft112@psu.edu **PI:** Brey, W.W.B., NHMFL, wbrey@magnet.fsu.edu **Category:** Magnet Technology **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** Yes **Director's Recommendation:** Yes **Director's Comments:** None	Edited
409	**Title:** Demonstration of 2D NMR Spectroscopy in a Powered Magnet at 25 T **First Author:** McPheron, B.D.M., The Pennsylvania State University, Electrical Engineering, mcpheron@psu.edu **PI:** Brey, W.W.B., NHMFL, wbrey@magnet.fsu.edu **Category:** Magnet Technology **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** Yes **Director's Recommendation:** Yes **Director's Comments:** None	Edited
457	**Title:** Characterization Of (Re)BCO Conductor for the 32T All Superconducting Magnet **First Author:** Abraimov, D., NHMFL, ASC, abraimov@asc.magnet.fsu.edu **PI:** Larbalestier, D.C., NHMFL, ASC, larbalestier@asc.magnet.fsu.edu **Category:** Magnet Technology **Facility:** Applied Superconductivity Center **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation	Edited

	Sign. Achievement: Yes **Director's Recommendation:** Yes **Director's Comments:** The testing for 32 T covers a very broad range fo properties. It is clear that this is the most detailed and professional so far done - it is being interrogated with great interest by many users of coated conductors.	
272	**Title:** Measurements of Central Magnetic Field Hysteresis Caused by Induced Screening Currents in Superconducting Coils Wound with (RE)BCO Coated Conductors **First Author:** Hilton, D.K., NHMFL, dkhilton@magnet.fsu.edu **PI:** Larbalestier, D.C., NHMFL, larbalestier@asc.magnet.fsu.edu **Category:** Magnet Technology **Facility:** NMR Facility **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
337	**Title:** Progress Towards the Use of Pulsed Field Gradients With Field Regulation by Feedforward Gradient Correction **First Author:** McPheron, B.D.M., The Pennsylvania State University, Electrical Engineering, mcpheron@psu,edu **PI:** Brey, W.W.B., NHMFL, wbrey@magnet.fsu.edu **Category:** Magnet Technology **Facility:** NMR Facility **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
208	**Title:** Pancake Coil Compliance Testing **First Author:** Voran, A.J., NHMFL, MS&T, voran@magnet.fsu.edu **PI:** Weijers, H.W., NHMFL, MS&T, weijers@magnet.fsu.edu **Category:** Magnet Technology **Facility:** MS & T **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
51	**Title:** High Voltage Testing of the Series-Connected Hybrid Superconducting Outsert Coil for the Helmholtz-Zentrum Berlin **First Author:** Dixon, I.R., NHMFL, dixon@magnet.fsu.edu **PI:** Bird, M.D., NHMFL, bird@magnet.fsu.edu **Category:** Magnet Technology **Facility:** MS & T **UCGP:** No **VSP:** No **Accepted by** IEEE Trans. Appl. Supercond. **Sign. Achievement:** Yes **Director's Recommendation: No** **Director's Comments:** None	Edited
95	**Title:** Critical Current Measurements of Stacked and Soldered Bi-2223 tapes for the Series-Connected Hybrid Magnet 20 kA Current Leads **First Author:** Marshall, W.S., FSU Magnet Lab, FSU Magnet Lab, wsmarshall@magnet.fsu.edu **PI:** Bird, M.D., FSU Magnet Lab, bird@magnet.fsu.edu **Category:** Magnet Technology **Facility:** MS & T **UCGP:** No **VSP:** No **Accepted by** IEEE Trans. Appl. Supercond. **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
113	**Title:** Current Leads Cooling for the Series-Connected Hybrid Magnets **First Author:** Bai, H.B., NHMFL, MST, bai@magnet.fsu.edu **PI:** Bai, H.B., NHMFL, MST, bai@magnet.fsu.edu **Category:** Magnet Technology **Facility:** MS & T **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
	Title: Finite-Element Analysis of the Series-Connected Hybrid Hydrant **First Author:** Li, T., NHMFL, MS&T, tli@magnet.fsu.edu **PI:** Bird, M.D., NHMFL, MS&T, bird@magnet.fsu.edu **Category:** Magnet Technology	

129	**Facility:** MS & T **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
133	**Title:** Hysteresis Loss of REBCO Conductor up to 35 T **First Author:** Lu, J., Florida State University, Florida State University, junlu@magnet.fsu.edu **PI:** Lu, J., Florida State University, Florida State University, junlu@magnet.fsu.edu **Category:** Magnet Technology **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Published in** IEEE Trans. Appl. Supercond. vol 24 (4), pp. 8200104. **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
161	**Title:** Reaction Heat Treatment of a Large Nb_3Sn CICC Coil for a Series-Connected Hybrid Magnet **First Author:** Dixon, I.R.D., NHMFL, idixon@magnet.fsu.edu **PI:** Bird, M.D., NHMFL, bird@magnet.fsu.edu **Category:** Magnet Technology **Facility:** MS & T **UCGP:** No **VSP:** No **Accepted by** IEEE Trans. Appl. Supercond. **Sign. Achievement: Yes** **Director's Recommendation: No** **Director's Comments:** None	Edited
Total Reports: 16		