US-MDP Collaboration Meeting 2021

Monday, 1 March 2021

Session 1: Introduction/Welcome (07:00 - 07:20)

-Conveners: Soren Prestemon; George Velev

time	[id] title	presenter
07:00	[2] Welcome	Dr ROE, Natalie
07:05	[48] MDP collaboration meeting agenda, charge, and goals	PRESTEMON, Soren

Tuesday, 2 March 2021

Session 1: HTS Magnets: Bi2212 (07:00 - 08:55)

-Conveners: Lance Cooley

time	[id] title	presenter
07:00	[52] Facility upgrade (Renegade)	BOSQUE, Ernesto
07:20	[53] Bi-2212 CCT accelerator magnets	GARCIA FAJARDO, Laura
07:50	[54] Bi-2212 SMCT accelerator magnets	BARZI, emanuela
08:20	[55] Cable based Bi-2212 solenoid including Rutherford cable insulation efforts	DAVIS, Daniel TROCIEWITZ, Ulf
08:40	[56] A short review of Bi-2212 accelerator magnet technology: The breakthroughs we have and the further advances we need	SHEN, Tengming

Wednesday, 3 March 2021

Session 1: SC strand and cables (materials) (07:00 - 08:45)

-Conveners: Kathleen Amm

time	[id] title	presenter
07:00	[63] Our present understanding of variations in a production baseline - AUP	PONG, Ian COOLEY, Lance
07:15	[64] Optimization of Sanabria HT	SEGAL, Chris
07:30	[65] Emerging Nb3Sn conductor	BALACHANDRAN, Shreyas XU, Xingchen
08:00	[66] CPRD Nb3Sn R&D status updates: Nb3Sn, Bi-2212, REBCO roadmaps	COOLEY, Lance
08:15	[67] Strategic goals of my GARD Program	Prof. JEWELL, Matthew
08:30	[68] Strategic goals of my GARD Program	SELVAMANICKAM, Venkat

Thursday, 4 March 2021

Session 1: Technology: Training Reduction (07:00 - 08:30)

-Conveners: Soren Prestemon

time	[id] title	presenter
07:00	[77] Current status of Training Reduction studies	STOYNEV, Stoyan
07:15	[78] High-Cp conductor studies	XU, Xingchen
07:30	[79] High-Cp conductor applications	BARZI, emanuela
07:45	[102] Modeling the stability of high-Cp Nb3Sn	DAVIS, Daniel
08:00	[103] How to perform reproducible and verifiable training enhancement experiments	MARTCHEVSKII, Maxim
08:10	[104] Discussion	STOYNEV, Stoyan

Friday, 5 March 2021

Session 1: Technology: 20 T hybrid magnet design and comparative analysis (07:00 - 07:30)

time	[id] title	presenter
07:00	[88] Modelling work: summary and the next steps discussion	FERRACIN, Paolo

Session 1: Technology: Advanced modeling (07:30 - 09:00)

time	[id] title	presenter
07:30	[89] Current status of R&D and upcoming milestones	BROUWER, Lucas
07:40	[90] Modeling of interface debonding - status and future plans	VALLONE, Giorgio
08:05	[91] Uses of submodeling in SC magnets	BARZI, emanuela
08:20	[92] Quench protection modeling for HTS/LTS tests	DAVIS, Daniel
08:35	[93] Discussion	