

Virtual International Workshop on Nb₃Sn SRF Science, Technology, and Applications (Nb₃SnSRF'20)

Tuesday 10 November 2020

Fundamental Studies: Session 1 (08:05-09:50)

-Conveners: Nathan Sitaraman

time	[id] title	presenter
08:05	[24] Mitigation of Performance-Limiting Mechanisms in Nb ₃ Sn SRF Films	Dr GUREVICH, Alex
08:25	[39] Time-Dependent Ginzburg Landau simulations to guide Nb ₃ Sn SRF cavity development	TRANSTRUM, Mark
08:50	[25] Towards a Floquet theory of periodically driven superconductors	LIARTE, Danilo
09:10	[34] Ab Initio Calculations on Point Defect Thermodynamics in Nb ₃ Sn	SITARAMAN, Nathan
09:30	[6] First principles study of the impact of grain boundaries on Nb ₃ Sn	KELLEY, Michelle

Fundamental Studies: Session 2 (10:05-12:00)

-Conveners: Michelle Kelley

time	[id] title	presenter
10:05	[11] Optimization of vortex pinning by nanoparticles using simulations of the time-dependent Ginzburg-Landau model	Dr KOSHELEV, Alexei
10:25	[37] Tunneling Spectroscopy studies of Nb ₃ Sn for SRF cavities	PROSLIER, thomas
10:45	[40] Investigation of Local Nonlinear Microwave Response of Nb ₃ Sn in the Superconducting State	ANLAGE, Steven
11:05	[22] Investigation of Nb ₃ Sn Thin Films using Magnetic Field Penetration Measurements	SENEVIRATHNE, Iresha Harshani
11:25	[7] Critical Fields of Nb ₃ Sn	KECKERT, Sebastian
11:45	[45] Guided discussion: Next fundamental studies needed for advancing Nb ₃ Sn – What are the important open questions?	TRANSTRUM, Mark