9th International Workshop on Thin Films and New Ideas for Pushing the Limits of RF Superconductivity

Monday, March 15, 2021 - Thursday, March 18, 2021

Virtual Edition

Scientific Program

Perspective of SRF thin film in international projects

Theoretical modelling of RF behavior

Q-drop mechanism in thin films, SRF performance enhancement with mono- and multilayered superconductors

Nb thin film technology

Conventional PVD, energetic condensation from highly ionized plasmas (HiPIMS, Arc Deposition, ECR plasma deposition …), CVD...

Alternate material based SRF thin films

B1 compounds (NbN, NbTiN...), A15 materials (Nb3Sn, V3Si, …), MgB2 and other high-Tc superconductors (oxypnictides, FeSe monolayer…)

SIS structures for SRF

RF and material characterization for SRF films

Advanced substrates

Surface cleaning, atmospheric plasmas; cavity substrate fabrication (electroplating, seamless cavities, 3D-manufacturing…)