



# 4th Superconducting Magnet Test Facilities Workshop & 2nd Workshop on Instrumentation and Diagnostics for Superconducting Magnets

## Friday, 28 April 2023

### Novel quench detection and localization methods (optical, ultrasonic, RF, etc.). - Neptune (08:30 - 10:20)

time	[id] title	presenter
08:30	[63] Quench conditioning device. Vibrational quench conditioning	Dr STOYNEV, Stoyan
08:50	[64] Wire-based and thermocouple-based QD	BYKOVSKIY, Nikolay
09:10	[65] Ultrasonic and RF quench diagnostics + Active current control	MARCHEVSKY, Maxim
09:40	[78] Research on no-insulation high-temperature superconductor magnet for quench simulation, imitation, protection, and detection	Dr BANG, Jeseok
10:00	[67] MEMS microphones for QD in fusion cables	Dr MOORE, Peter

### Novel quench detection and localization methods (optical, ultrasonic, RF, etc.). - Neptune (10:40 - 11:50)

time	[id] title	presenter
10:40	[68] Impregnation damage and quench monitoring using time-domain reflectometry	Dr SEOK LEE, Geon
11:00	[66] Hall-probe-based QD and QC for CORC	Dr TEYBER, Reed
11:20	[71] Discussion on novel quench detection and localization methods	