



# CHATS on Applied Superconductivity 2017

## Tuesday 12 December 2017

### Session VI: HTS magnet and HTS applications - Auditorium (10:50 - 12:20)

-Conveners: Marco Breschi

time	[id] title	presenter
10:50	[28] Three-dimensional electromagnetic field analysis model for ac loss calculations of HTS coils in superferric magnets	SOGABE, Yusuke
11:20	[26] Simple analytical formulae to evaluate the irregular field in solenoid coils with high-temperature superconducting tape wires	Dr MAWATARI, Yasunori
11:50	[18] New Screening Current Simulations on REBCO Pancake Coils	NOGUCHI, So

### Session VI: HTS magnet and HTS applications - Auditorium (13:20 - 15:20)

-Conveners: Marco Breschi

time	[id] title	presenter
13:20	[10] A pulse tube cryocooler driven by the superconducting linear compressor at 50 Hz	Mr KIM, Bokeum
13:50	[6] AC loss simulation in a HTS 3-phase 1 MVA transformer using H formulation	JIANG, Zhenan
14:20	[25] Electromechanical analysis of REBCO pancake coils reinforced by an outer-shell structure	AWAJI, Satoshi
14:50	[4] Strand level modeling on AC loss, current distribution and quenching of CICC conductors	Dr NIJHUIS, Arend