



# The 5th Kagra International Workshop / The 1st Kagra-Virgo-3G Detectors Workshop

## Saturday, 16 February 2019

**R&D and new technologies: R&D and new technologies - Sala dei Notari (15:10 - 19:05)**

-Conveners: Yuta Michimura

time	[id] title	presenter
15:10	[61] Report on the vacuum 3G workshop at LIGO	FULVIO RICCI
15:30	[20] Recent advancements in substrate-transferred crystalline coatings	COLE, Garrett
15:50	[69] Amorphous materials investigation in optical coatings: the VCR&D viewpoint for the 3G detectors	CAGNOLI, Gianpietro
16:10	Coffee break	
16:35	[64] Fabrication of amorphous and crystalline mirror coatings for reaching the thermal noise requirements for 3G detectors	STUART REID
16:55	[25] Status of the frequency dependent squeezing experiment at TAMA	CAPOCASA, Eleonora
17:15	[70] Results of the first injection of FIS in Advanced Virgo	TACCA, Matteo
17:25	[36] Development of audio-band frequency-dependent vacuum squeezer for Advanced Virgo Gravitational Wave detector	BAWAJ, Mateusz
17:45	[23] Purity of 10dB vacuum noise squeezing at 1064 nm	LEE, Ray-Kuang
18:05	[18] Geometric contoured Euler springs for vertical vibration isolation in future gravitational wave detectors	VAN HEIJNINGEN, Joris
18:25	[31] Newtonian noise measurement by Torsion-Bar Antenna	TAKANO, Satoru
18:45	[32] The Cryomirror project for fast payload cooldown	CIANI, Giacomo