

GWADW2016 - Impact of Recent Discoveries on Future Detector Design

Wednesday, 25 May 2016

Controls Workshop: Angular control (09:00 - 10:30)

-Conveners: Jenne Driggers

time	[id] title	presenter
09:00	[150] Angular loop consideration	DRIGGERS, Jenne
09:10	[119] Angular control of Advanced Virgo suspended benches	WAS, Michal
09:20	[121] Hopes and Dreams: One Transfer Func4on Fi6ng Program to Rule Them All	KISSEL, Jeffrey
09:30	[120] Radiation pressure induced instability	
09:40	[144] Discussion	

Controls Workshop: Local and Global Control (11:00 - 12:30)

-Conveners: Jeffrey Kissel

time	[id] title	presenter
11:00	[122] MIMO damping	
11:10	[123] Fitting tools	
11:20	[124] How to use the earthquakes arrival predictor to put the IFO in robust mode	BISCANS, Sebastien
11:30	[149] Present and future of superattenuator control system	BOSCHI, Valerio
11:50	[125] Feedforward control for arm cavities	
12:00	[145] Discussion	

Thursday, 26 May 2016

Controls Workshop: Learning Algorithms for Tuning Global IFO Control Parameters (09:00 - 10:30)

-Conveners: Rana Adhikari

time	[id] title	presenter
09:00	[126] What environmental changes or instrument drifts require re-tuning	
09:10	[127] Define inputs and outputs	
09:20	[128] Learning Methods for Interferometers	ADHIKARI, Rana
09:30	[146] Discussion	

Controls Workshop: Controls Considerations for Next Generation Detectors Designs (11:00 - 12:30)

-Conveners: Dennis Coyne

time	[id] title	presenter
11:00	[129] Brief description of next gen concepts	
11:10	[130] Some thoughts on controls challenges, considerations for discussion	
11:20	[148] Discussion	