

GWADW2016 - Impact of Recent Discoveries on Future Detector Design

Wednesday, May 25, 2016

Controls Workshop: Angular control (9:00 AM - 10:30 AM)

-Conveners: Jenne Driggers

time	[id] title	presenter
9:00 AM	[150] Angular loop consideration	DRIGGERS, Jenne
9:10 AM	[119] Angular control of Advanced Virgo suspended benches	WAS, Michal
9:20 AM	[121] Hopes and Dreams: One Transfer Func4on Fi6ng Program to Rule Them All	KISSEL, Jeffrey
9:30 AM	[120] Radiation pressure induced instability	
9:40 AM	[144] Discussion	

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

-Conveners: Jeffrey Kissel

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

Thursday, May 26, 2016

Controls Workshop: Learning Algorithms for Tuning Global IFO Control Parameters (9:00 AM - 10:30 AM)

-Conveners: Rana Adhikari

time	[id] title	presenter
9:00 AM	[126] What environmental changes or instrument drifts require re-tuning	
9:10 AM	[127] Define inputs and outputs	
9:20 AM	[128] Learning Methods for Interferometers	ADHIKARI, Rana
9:30 AM	[146] Discussion	

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

-Conveners: Dennis Coyne

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