

# **ELiTES: First Collaboration Meeting**

**Wednesday 03 October 2012 - Thursday 04 October 2012**

**Europa House - Tokyo  
Programme**

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## Wednesday 03 October 2012

### Registration - (09:30-10:00)

#### *Registration to the event*

### General - Auditorium (10:00-11:20)

#### *General activity session*

- Conveners: Prof. Kuroda, Kazuaki

time	[id] title	presenter
10:00	[3] Opening	PUNTURO, Michele
10:05	[0] Welcome	Dr. RHODE, Barbara
10:10	[1] Welcome	Dr. SAWAKAWA, Kazuhiro
10:15	[2] Welcome	Dr. MENGONI, Alberto
10:20	[4] GW research effort in the world	FERRINI, Federico
10:35	[5] ELiTES project: Description, targets and timeline	PUNTURO, Michele
10:50	[6] Initial detectors achievements	VAN DEN BRAND, Jo

### General - Auditorium (11:40-12:40)

#### *General activity session*

- Conveners: lueck, lueck

time	[id] title	presenter
11:40	[7] Advanced detectors status report and future scenario	Dr. HAMMOND, Giles
12:10	[8] KAGRA project: status report	Prof. KAJITA, Takaaki

### General - Auditorium (14:00-15:00)

#### *General activity session*

- Conveners: Punturo, Michele

time	[id] title	presenter
14:00	[9] Einstein Telescope (ET) project	LUECK, Harald
14:30	[10] KAGRA and ET, focus on the common points	Prof. SOMIYA, Kentaro

### WP3 - Underground cryogenic Infrastructures and Sites - Auditorium (15:20-17:40)

#### *Underground cryogenic facilities*

- Conveners: Prof. Somiya, Kentaro

time	[id] title	presenter
15:20	[11] Cooling time reduction for KAGRA	Mr. SAKAKIBARA, Yusuke

15:45	[12] Cooling time reduction for ET	RICCI, Fulvio
16:10	[21] Baffles in cryostat	Dr. AKUTSU, Tomotada
16:25	[14] What we learn from CLIO	Dr. UCHIYAMA, Takashi
16:45	[13] Underground facility for ET	HENNES, Eric
17:10	[15] KAGRA construction	Prof. MIYOKI, Shinji

**Reception - (18:00-19:30)**

*Reception offered by the EU delegation*

# Thursday 04 October 2012

## Registration - Sanjo Conference Hall (09:00-09:40)

*Registration to the event*

## WP1 - Cryogenics and suspensions - Sanjo Conference Hall (09:40-11:10)

- Conveners: Majorana, Ettore

time	[id] title	presenter
09:40	[32] Introduction to WP1	Dr. MAJORANA, Ettore
09:50	[16] Current status of KAGRA cryogenic payload	YAMAMOTO, Kazuhiro
10:10	[17] Simulation for KAGRA cryogenic payload: vibration via heat links and thermal noise	Mr. SEKIGUCHI, Takanori
10:30	[18] Design and testing Silicon suspension for ET	Dr. HAMMOND, Giles
10:50	[19] Alternative strategies for mirror suspensions: composite structures.	Dr. BERTOLINI, Alessandro

## WP1 - Cryogenics and suspensions - Sanjo Conference Hall (11:30-13:00)

- Conveners: Majorana, Ettore

time	[id] title	presenter
11:30	[20] Preliminary FEA analysis of Silicon-Sapphire composite	CONTE, Andrea
11:50	[22] Measurement of vibration of KAGRA radiation shields	NATICCHIONI, Luca Mr. CHEN, Dan
12:10	[23] Facilities for Q measurements of suspension elements	Dr. MAJORANA, Ettore Dr. DESALVO, Riccardo

## WP2 - Mirror thermal noise and cryogenics - Sanjo Conference Hall (14:30-16:00)

- Conveners: ronny.nawrodt, ronny.nawrodt

time	[id] title	presenter
14:30	[24] Coating Research I	Prof. PINTO, Innocenzo M
14:50	[25] Coating Research II	Mr. CRAIG, Kieran
15:10	[26] Bulk investigations	Dr. MURRAY, Peter
15:30	[27] Optical Properties of Silicon at low temperatures	Mr. KOMMA, Julius

## WP2 - Mirror thermal noise and cryogenics - Sanjo Conference Hall (16:20-17:40)

- Conveners: ronny.nawrodt, ronny.nawrodt

time	[id] title	presenter
16:20	[28] Silicon surfaces – surface loss and surface treatments	NAWRODT, Ronny
16:40	[30] Parametric Instabilities in Kagra and ET	SHIBATA, Kazunori
17:00	[31] Status of Sapphire Test Masses and Coating Research	Dr. HIROSE, Eiichi
17:20	[29] Measurement of the thermal conductivity of sapphire fibers	USHIBA, Takafumi

## Conclusions - Sanjo Conference Hall (17:40-18:00)

**- Conveners: lueck, lueck**