

SCIENTIFIC PROGRAMME

(15 -19 June 2015 in Auditorium "Telescopium" ESO Garching)

	Mo 15 June	Tue 16 June	We 17 June	Thu 18 June	Fri 19 June
09:00 – 10:30	Welcome EIRO summaries OT High Energy Physics	Fusion session lectures	Neutron Physics session lectures	XFEL session lectures	Common technology
Coffee					
11:00 – 12:30	OT Synchrotron Radiation & Free Electron Lasers OT Neutron Physics	High Energy Physics session lectures	Astronomy session lectures	Molecular Biology Lab session lectures Key Astronomy Talk	Common technology
Lunch					End of meeting
13:30 – 15:00	OT Astronomy OT Space	Space session lectures	Site visits	Poster session 2 Highlight : trends in advanced electronics	
Coffee					
15.30-17.00	OT Molecular Biology Lab OT Fusion	Synchrotron Radiation session lectures	Site visits	Highlight : trends in advanced electronics	
short break					
17.15-18.00	Welcome reception	Poster session 1		Poster session 3	
19:00 – 21:00				Dinner and poster awards	

OT = Overview Talk

Highlight Session

4th EIROforum School on Instrumentation

Monday 15 June 2015

Registration - Vicinity of Auditorium Telescopium (old Auditorium) (08:00-09:00)

Welcome to ESI 2015 from Tim de Zeeuw, ESO Director General - Auditorium Telescopium (old Auditorium), ESO (09:00-09:10)

EIRO summaries - Auditorium Telescopium (09:10-09:50)

time	title	presenter
09:10	ESRF (00h05')	FAJARDO, Pablo
09:15	XFEL (00h05')	KUSTER, Markus
09:20	ILL (00h05')	BOEHM, Martin
09:25	ESO (00h05')	CASALI, Mark
09:30	EMBL (00h05')	SCHNEIDER, Thomas
09:35	EUROfusion (00h05')	DONNE, Tony
09:40	ESA (00h05')	LUMB, David
09:45	CERN (00h05')	JORAM, Christian

Overview: High Energy Physics - Auditorium Telescopium (09:50-10:35)

time	title	presenter
09:50	Overview talk: High Energy Physics (00h45')	SCHOPPER, Andreas

Coffee break - Vicinity of Auditorium Telescopium (10:35-11:00)

Overview Talk: Synchrotron Radiaton & Free Electron Lasers - Auditorium Telescopium (11:00-11:45)

time	title	presenter
11:00	Overview talk ESRF (00h20')	FAJARDO, Pablo
11:20	Science at Free Electron Lasers (00h25')	MOLODTSOV, Serguei

Overview Talk: Neutron Physics - Auditorium Telescopium (11:45-12:30)

time	title	presenter
11:45	Overview talk ILL (00h45')	BOEHM, Martin

Lunch - Canteen & Cafeteria (12:30-13:30)

Overview Talk: Astronomy - Auditorium Telescopium (13:30-14:15)

time	title	presenter
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13:30	Overview talk ESO (00h45')	CASALI, Mark
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Overview Talk: Space - Auditorium Telescopium (14:15-15:00)

time title presenter

14:15	Overview talk ESA (00h45')	LUMB, David
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Coffee break - Vicinity of Auditorium Telescopium (15:00-15:30)

Overview Talk: Molecular Biology Lab - Auditorium Telescopium (15:30-16:15)

time title presenter

15:30	Overview talk EMBL (00h45')	SCHNEIDER, Thomas
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Overview Talk: Fusion - Auditorium Telescopium (16:15-17:00)

time title presenter

16:15	Fusion Electricity: A roadmap to the realisation of fusion energy (00h45')	DONNE, Tony
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Break - (17:00-17:25)

Welcome Reception - Fornax (old council room) (17:25-20:25)

Tuesday 16 June 2015

Session lectures: Fusion - Auditorium Telescopium (09:00-10:30)

time	title	presenter
09:00	Fusion diagnostics (00h45')	DONNE, Tony
09:45	Alpha-particle diagnostics for JET deuterium-tritium experiments (00h45')	KIPTILY, Vasili

Coffee break - Vicinity of Auditorium Telescopium (10:30-11:00)

Session lectures: High Energy Physics - Auditorium Telescopium (11:00-12:30)

time	title	presenter
11:00	Interactions of particles and fields (00h45')	RIEGLER, Werner
11:45	Instrumentation in HEP (00h45')	RIEGLER, Werner

Lunch - Canteen & Cafeteria (12:30-13:30)

Session lectures: Space - Auditorium Telescopium (13:30-15:00)

time	title	presenter
13:30	Instrumentation for Space Astronomy (00h45')	LUMB, David
14:15	Instrumentation for Solar System Exploration (00h45')	LUMB, David

Coffee break - Vicinity of Auditorium Telescopium (15:00-15:30)

Session lectures: Synchrotron Radiation - Auditorium Telescopium (15:30-17:00)

time	title	presenter
15:30	X-ray Optics for Synchrotron Radiation Beamlines (00h45')	BARRETT, Raymond
16:15	Synchrotron Radiation Detectors (00h45')	FAJARDO, Pablo

Poster Session I - Bridge between 2 buildings (17:00-17:45)

Wednesday 17 June 2015

Session lectures: Neutron Physics - Auditorium Telescopium (09:00-10:30)

time	title	presenter
09:00	The THALES project (00h45')	BOEHM, Martin
09:45	Neutron sources and neutron optics (00h45')	COURTOIS, Pierre

Coffee break - Vicinity of Auditorium Telescopium (10:30-11:00)

Session lectures: Astronomy - Auditorium Telescopium (11:00-12:30)

time	title	presenter
11:00	Ground Based instrumentation for Astronomy (00h45')	PASQUINI, Luca
11:45	Principles of radio and mm-wave interferometry (00h45')	LAING, Robert

Lunch - Canteen & Cafeteria (12:30-13:30)

Site visits - (13:30-17:00)

Thursday 18 June 2015

Session lectures: XFEL - Auditorium Telescopium (09:00-10:30)

time	title	presenter
09:00	Detectors for the European XFEL (00h45')	MARKUS, KUSTER
09:45	Femtosecond X-Ray Experiments: Towards an ultimate high-speed molecular camera (00h45')	GAWELDA, Wojciech

Coffee break - Vicinity of Auditorium Telescopium (10:30-11:00)

Session lectures: Molecular Biology Lab - Auditorium Telescopium (11:00-11:45)

time	title	presenter
11:00	Synchrotron Radiation for Structural Biology (00h45')	MCCARTHY, Andrew

Key Astronomy Talk - Auditorium Telescopium (11:45-12:30)

time	title	presenter
11:45	Discovering the Accelerating Universe (00h45')	LEIBUNDGUT, Bruno

Lunch - Canteen & Cafeteria (12:30-13:30)

Poster Session II - Bridge between the 2 buildings (13:30-14:15)

Highlight topic: Trends in advanced electronics - Auditorium Telescopium (14:15-15:15)

time	title	presenter
14:15	FPGAs and obsolescence mitigation (00h30')	MOLINA, Ignacio
14:45	Data acquisition and instrument control at the ILL (00h30')	MUTTI, Paolo

Coffee break - Vicinity of Auditorium Telescopium (15:15-15:45)

Highlight topic: Trends in advanced electronics - Auditorium Telescopium (15:45-17:30)

time	title	presenter
15:45	Low noise electronics for detectors (00h30')	REYES, Javier
16:15	The digital SiPM detector (00h30')	BRUNNER, Stefan
16:45	Microelectronic technologies for HEP Instrumentation (00h45')	MARCHIORO, Alessandro

25 - Poster session III - Bridge between the 2 buildings (17:30-18:15)

ESI 2015 Dinner & Poster awards - Restaurant Rondell (19:00-21:00)

Friday 19 June 2015

Common technology and tools - Auditorium Telescopium (09:00-10:30)

time	title	presenter
09:00	Robotics in Structural Biology (00h45')	FIEDLER, Stefan
09:45	Surface Analysis Techniques for the Study of Plasma Wall Interactions (00h45')	BEKRIS, Nicolas

Coffee break - Vicinity of Auditorium Telescopium (10:30-10:45)

Common technology and tools - Auditorium Telescopium (10:45-13:00)

time	title	presenter
10:45	Evolution of computing for LHC, from Grids to Clouds (00h45')	SCHULZ, Markus
11:30	Current data management and analysis practices for synchrotrons (00h45')	GOTZ, Andrew
12:15	Data acquisition (00h45')	SCHWEMMER, Rainer

Lunch Buffet - Vicinity of Auditorium Telescopium (13:00-13:45)