

SCIOPS 2019 WORKSHOP PROGRAMME

Tuesday, 19th November

Time	Speaker	Affiliation	Title
14:00 - 14:15	M. Kissler-Patig	ESA	Welcome and Introduction from ESA
14:15 - 14:30	M. Sterzik	ESO	Introduction from ESO

Chair : M. Branchesi

1. Collaboration between large scientific teams			
Time	Speaker	Affiliation	Title
14:30 - 15:00	D. Shoemaker	MIT	LIGO, Virgo, KAGRA, and beyond: Ground-based Gravitational Wave Observatories
15:00 - 15:30	S. Vergani	CNRS - Paris Observatory	Strategies, challenges and perspectives of the EM follow-up of gravitational sources: the ENGRAVE and SVOM collaborations
15:30 - 16:00	N. Tanvir	University of Leicester	Gamma-Ray Bursts across the electromagnetic spectrum and beyond
16:00 - 16:30	Coffee Break		
16:30 - 16:50	C. Dabin	CNES	Euclid Processing Pipeline Operations (from raw telemetry up to mass mapping of the universe)
16:50 - 17:10	M. Ehle	ESA	Multi-Messenger astrophysics with Athena
17:10 - 17:30	U. Lammers	ESA	Multi-messenger astronomy with LISA
17:30 - 19:00	Icebreaker Reception		

Wednesday, 20th November

Chair : M Sterzik

2. Space- and ground-based observatories evolving in the MMA era			
Time	Speaker	Affiliation	Title
09:30 - 10:00	E. Kuulkers	ESA	Coordinating observations between ground and space based facilities
10:00 - 10:20	N. Schartel	ESA	Joint Programs in the Context of Cross Facilities Collaboration in the Multi-Messenger Era
10:20 - 10:40	M. Rejkuba	ESO	Scheduling at ESO
10:40 - 11:00	A. Mehner	ESO Chile	Target of Opportunity and Rapid Response Mode observations at ESO
11:00 - 11:30	Coffee Break		

Chair : B. Blum

11:30 - 11:50	B. Berriman	Caltech/IPAC-NExScI	New Infrastructure to Support TDA and MMA at the Keck Observatory and the Keck Observatory
11:50 - 12:10	J. Evans	Center for Astrophysics Harvard and Smithsonian	High Impact Data and Products using Community Standards and Tools – The Chandra Experience
12:10 - 12:30	J. Kennea	Penn State	Swift Observations of Everything (or How I Learned to Stop Worrying and Love TOO's)
12:30 - 12:50	D. Götz	CEA Saclay - Irfu/Département d'Astrophysique	The SVOM contribution to Multi-Messenger Astrophysics
12:50 - 13:10	X. Dupac	ESA	Survey operations for the Euclid cosmology mission
13:10 - 13:30	M. Fuessling	Cherenkov Telescope Array Observatory (CTAO)	Operational Concepts of the CTA Observatory in the Time Domain Astronomy
13:30 - 15:00	Group photo + Lunch Break		
15:00 - 15:20	E. Bozzo	University of Geneva	The Transient High-Energy Sky and Early Universe Surveyor (THESEUS)
15:20 - 15:40	F. Carbognani	European Gravitational Observatory	Toward a common Gravitational Wave detectors distributed cyber infrastructure

Chair : B. Leibundgut

3 Tools, services and standards to support multi wavelength astronomy

15:40 - 16:10	G. Fabbiano	Center for Astrophysics Harvard & Smithsonian	Discovery in Astrophysics (Invited)
16:10 - 16:40	R. D'Abrusco	Center for Astrophysics Harvard & Smithsonian	Astronomy in the next decades: steps towards a benevolent (archival) panopticon
16:40 - 17:10	Coffee Break		
17:10 - 17:30	M. Allen	CDS, Observatoire astronomique de Strasbourg	Addressing common challenges for FAIR astronomy data
17:30 - 17:50	D. Baines	ESA	ESASky: ESA's interface to astronomical data

Thursday, 21st November

Chair : M. Diaz Trigo

4. Tools, services and standards to support MMA

Time	Speaker	Affiliation	Title
09:30 - 10:00	J. Colome	IIEC-CSIC	Algorithms, interfaces and frameworks for efficient cross facility scheduling
10:00 - 10:20	J.U. Ness	ESA	Multi-mission coordinations
10:20 - 10:40	V. Savchenko	University of Geneva	Interoperability and automation in searches for Hard X-ray counterparts of multi-messenger transients with INTEGRAL
10:40 - 11:00	J. Nordin	Humboldt University of Berlin	Transient alert processing, analysis and distribution using AMPEL
11:00 - 11:30	Coffee Break		

Chair : C. Arviset

11:30 - 12:00	S. Antier	APC	Low Latency gravitational alerts of the LIGO/Virgo collaboration
12:00 - 12:20	G. Belanger	ESA	On the potential of machine learning in science operations
12:20 - 12:40	D. Corre	LAL / CNRS	The GRANDMA global network for GW counterpart observation
12:40 - 13:00	G. Greco	INFN-Firenze/Urbino University	Interoperable multi-messenger approach for GW sky localization and EM follow-up: practical tools and methods supported by the ESCAPE project.
13:00 - 13:30	I. Momcheva	STScI	Multi-Messenger data and data analysis in the CLOUD
13:30 - 15:00	Lunch Break		
15:00 - 17:00	Discussion / Brainstorming Session		
17:00 - 17:30	Tour of site for interested attendant		

Friday, 22nd November

Chair : M. Ehle

5. Cultural and policy changes needed

Time	Speaker	Affiliation	Title
09:30 - 10:00	T. Matheson	National Optical Astronomy Observatory	Time-Domain Discovery in the 2020s
10:00 - 10:30	S. Matheussen	NWO	ASTERICS Policy Forum
10:30 - 11:00	D. Kocevski	NASA Marshall Space Flight Center	NASA's Gravitational Wave Electromagnetic Counterparts Task Force - Identifying Policies and Practices to Optimize Scientific Return in the Multi-messenger Era
11:00 - 11:30	Coffee Break		

Chair : C. Arviset

11:30 - 12:30	Reports from Brainstorming Sessions		
12:30 - 13:30	Open discussion on findings from Brainstorming		