



AGENDA

Thursday, April 25, 2019

8:00 – 9:00 AM	Registration/Breakfast	Lobby/Café Azafran
9:00	Welcome	Nancy Levenson, Deputy Director, STScI
	Chair: Gautham Narayan	CHALLENGES FACING TIME-DOMAIN ASTROPHYSICS
9:15	Iair Arcavi	<i>Coordinating Followup of GW Events</i>
9:30	Jamie Kinney	<i>From Zero to ML - Managing and Analyzing Astronomy Data on Google Cloud</i>
9:45	Saurabh Jha	<i>Multi-Messenger Astrophysics: We Are The Messengers</i>
10:00		
10:15		
10:30 – 11:00 AM	AM Coffee Break	Café Azafran
	Chair: Renée Hložek	DATA SCIENCE AND MACHINE LEARNING FOR MMA
11:00	Emilie Ishida	<i>Human in the Loop: Adaptive Learning in Astronomy</i>
11:15	Wolfgang Kerzendorf	<i>DALEK - Supernova Physics Meets Machine Learning</i>
11:30	Victor Francisco Ksoll	<i>Characterizing Extragalactic Pre-Main-Sequence Stars with Machine and Deep Learning Techniques</i>
11:45	Daniel Muthukrishna	<i>RAPID: Early Classification of Explosive Transients using Deep Learning</i>
12:00	Darryl Wright	<i>Supporting Transient Surveys with Citizen Science</i>
12:15	Kyle Rocha	<i>Using Machine Learning to Predict Outcomes for Binary Stellar Evolution</i>
12:30 – 2:00 PM	Lunch/Posters	
	Chair: Massimo Robberto	PUTTING THE MULTI IN MULTI-MESSENGER
2:00	Jennifer Lotz	<i>GEMMA: Gemini in the Era of Multi-Messenger Astronomy</i>

2:15	Eric Burns	<i>Joint Gravitational Wave and Gamma-ray Burst Online Searches</i>
2:30	Jeff Cooke	<i>The Deeper, Wider, Faster Program: Pioneering Multi-facility, Multi-wavelength, Multi-messenger Fast Transient Exploration</i>
2:45	Michael Coughlin	<i>Finding LISA Gravitational-wave Sources in the Optical Time Domain</i>
3:00	Azadeh Keivani	<i>Multi-messenger Gravitational-Wave + High-Energy Neutrino Searches</i>
3:15		
3:30 – 4:00 PM	PM Coffee Break	Café Azafran
	Chair: Federica Bianco	BROKERS, TOMS, AND DATA HUBS
4:00	Dave Coulter	<i>Software Platforms to Enhance Decision Making for Multi-Messenger Astronomy</i>
4:15	Francisco Forster	<i>The Universe in a Stream: Challenges and Progress of the ALERCE Broker</i>
4:30	Monika Soraisam	<i>ANTARES: Brokering Alerts in Real-time in the Big-Data Era</i>
4:45	Rachel Street	<i>Microlensing as a Case Study of Alert-based Science and Technologies</i>
5:00	Ken Smith	<i>Lasair: The Transient Alert Broker for LSST:UK</i>
5:30 – 7:00 PM	Welcome Reception	Café Azafran
7:00 PM	Dinner	Various

*Talk Times: **Invited Speakers 15 + 2**

Contributing Speakers 10 + 2

Friday, April 26, 2016

8:15 – 9:00 AM	Registration/Breakfast	Café Azafran
	Chair: Ivelina Momcheva	DATABASES AND ARCHIVES
9:00	David Cook	<i>The Role of NED in Identifying EM Counterparts to GW Events</i>
9:15	Dmitry Duev	<i>The Zwicky Transient Facility (ZTF) Data Ecosystem</i>
9:30	Jan-Uwe Ness	<i>Multi-mission Coordinations</i>
9:45	Kyle Chard	<i>Parsl, a Python-based Parallel Scripting Library</i>

10:00	Group Photo	Front Steps of Muller Building
10:30 – 11:00 AM	AM Coffee Break	Café Azafran
	Chair: Leo Singer	MULTI-MESSENGER P2
11:00	John Graham	<i>Limitations on IMF Variability as a Function of Metallicity</i>
11:15	Kshitij Aggarwal	<i>Finding Fast Radio Bursts with Realfast at the VLA</i>
11:30	Carl-Johann Haster	<i>Gravitational Waves as a Piece of the Astrophysical Multi-messenger Puzzle</i>
11:45	Joshua Schleider	<i>Nimble: A Mission Concept for Gravitational Wave Counterpart Astrophysics</i>
12:00	Nao Suzuki	<i>HSC Transient Survey</i>
12:15	Ann Hornschemeier	<i>Stellar-origin Black Holes and Neutron Stars in the 2020's and Beyond: The Post Chandra and XMM-Newton Era</i>
12:30 – 2:00 PM	Lunch/Posters	
	Chair: Ryan Foley	FOLLOWUP STRATEGY AND INSTRUMENTATION
2:00	Alexander van der Horst	<i>Probing the Transient Sky with SCORPIO</i>
2:15	Morten Anderson	<i>Gemini in LSST/SCORPIO Era</i>
2:30	Igor Andreoni	<i>ZTF and DECam Follow-up of Neutron Star Mergers during O3</i>
2:45	Melissa Graham	<i>The LSST Data Management Systems: Infrastructures for EMMA</i>
3:00	Aaron Tohuvavohu	<i>Swift in the Multi-messenger Era</i>
3:15	Sarah Burke-Spoalar	<i>MMA in the Nanohertz Gravitational Wave-band</i>
3:30 – 4:00	PM Coffee	Café Azafran
	Chair: Armin Rest	DISCUSSION
4:00 – 5:00 PM		
	Workshop Adjourns	

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Electronic Booklet may be found here: <http://www.stsci.edu/institute/conference/emma>