

FUEGO Cubesat Meeting
Oct. 16, 9 AM to 5 PM
LBNL, Bld. 50, Room 5026

Talk	Speaker	Email or Hyperlinks to existing background materials
9:00-9:15 1) Smoke Detection	Kinshuk Govil	
9:15-9:45 2) The Goddard/LLNL Cube Sat System	Emily Wilson	
9:45-10:10 3) Intelligence in Fire Management	Tim Ball	
10:10-10:30 1) Overview of FUEGO/COE efforts provide better tools and effective approaches to fire fighters.	Overviews: Carl Pennypacker (10 minutes), Tarek (10)	
10:30-12:30 5) 5 minutes/per speaker and 2 minutes discussion round-robin LBNL and COE	Dan Feldman and Chaincy Kuo Khalid MOSALAM Mark Müller Michael Frenklach Simo Makiharju Koushil Sreenath Hannah Stuart Amar Nath Kasalanati Tarek Zohdi Michelle Newcomer Sebastien Biraud Phil Colella Kai Vetter Hans Johansen Wayne Lee Delker	CKuo@lbl.gov and drfeldman@lbl.gov mosalam@berkeley.edu mwm@berkeley.edu myf@me.berkeley.edu makiharju@berkeley.edu koushils@berkeley.edu hstuart@berkeley.edu amarnath1@berkeley.edu zohdi@berkeley.edu mnewcomer@lbl.gov scbiraud@lbl.gov pcolella@lbl.gov kvetter@lbl.gov hjohansen@lbl.gov wdelker@berkeley.edu
12:30 - 12:55 6) Fire Simulation	Jan Mandel	
No-host lunch -- go to LBNL Cafeteria, buy lunch, and bring lunch back (20 minutes only, please)		
1:15-1:45 7) Signal to Noise and sensors at several altitudes	Mike Lampton	FUEGO Mission Comparo Talk (.pdf) FUEGO Mission Comparo Worksheet (.xlsx)

1:45- 2:15 8) GOES 16 and detecting fires	Chris Schmidt (remote via Zoom)	
2:15-2:45 9) Introduction to the SSL CubeSats	Chris Moeckel	
2:45-3:15 10) LLNL Bus -- including power, telecom, solar shields..	Vincent Riot	<ul style="list-style-type: none"> • https://lasers.llnl.gov/news/science-technology/2018/june • https://doi.org/10.1088/1361-6501/aa5440 • http://digitalcommons.usu.edu/cgi/viewcontent.cgi?article=3049&context=smallsat
3:15-3:30 7) Preview of next seminar Introduction to Fires -- How they spread, how they are fought, C Terminology, how they are fought, why they spread, issues with models, etc.	Tim Ball	

Attendees (Virtual and Physical)

Name	Institution	Email	Mobile phone
Linehan, Daniel Scott <>	LLNL	linehan4@llnl.gov	
Emily Wilson	Goddard	emily.l.wilson@nasa.gov	
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Vincent Riot	LLNL		
Chris Moeckel			
Masaaki Yamamoto	LBNL		
Tarek Zohdi	UCB College of Engineering		
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