



COSMOS
 CONSORTIUM OF ORGANIZATIONS FOR
 STRONG MOTION OBSERVATION SYSTEMS

2019 COSMOS Annual Meeting and Technical Session Program

Evolving Methodologies in Ground Motion Characterization and Selection for Engineering Applications

November 22, 2019

8:00 am – 6:00 pm

Marriott Oakland City Center

1001 Broadway, Oakland, California

Agenda

8:00-8:30	Registration and Hot Buffet Breakfast	
8:30-8:45	Welcome and Overview of Day	Annie Kammerer
COSMOS/CGS/USGS Joint Activities and New Datasets		
8:45-9:15	COSMOS Noninvasive Site Characterization Guidelines: Project update	Alan Yong
9:15-9:35	Updates on the Center for Engineering Strong Motion Data (CESMD)	Hamid Haddadi
9:35-9:50	Update to the PEER NGA-Subduction Program	Silvia Mazzoni
9:50-10:15	Break	
Summary of the State of the Practice - Part 1		
10:15-10:45	Current practices in time history selection in the near field region	Debra Murphy
Characterization and Use of Instantaneous Power (Pulses) in Ground Motion Records		
10:45-11:00	GMPE for Instantaneous Power (IP) intensity measure for near-fault ground motions	Norm Abrahamson
11:00-11:15	Example application: comparison of correlations of IP with of drift variability compared to correlations for velocity-pulse parameters	Esra Zengin
11:15-11:45	Use of the IP parameter in record selection	Silvia Mazzoni

11:45-12:00	Discussion	Led by N. Abrahamson
Lunch - COSMOS Annual Meeting		
12:00-1:00	Buffet Lunch	
1:00-1:20	COSMOS Business Meeting	Jon Heintz
Summary of the State of the Practice - Part 2		
1:20-1:40	Summary of ASCE 7-16 site-specific ground motion requirements	C.B. Crouse
Site-Specific Requirements in ASCE 7-16		
1:40-2:00	Overview of USGS software tools for site-specific hazard analysis	Nicolas Luco
2:00-2:20	Reference velocity profiles for GMPEs and their use in the development of site-specific site response factors	Linda Al-Atik
2:20-2:40	Preview of ground motions proposed for ASCE 7-22	Sanaz Rezaeian
2:40-2:55	Discussion	All
2:55-3:15	Break	
New Developments and Emerging Issues		
3:15-3:35	Tall Building Initiative (TBI) Guidance on target spectra and ground motion selection and modification	C.B. Crouse
3:35-4:00	Recent USGS efforts on automated ground motion processing software	Eric Thompson
4:00-4:05	Automated processing in the NGA program	Tim Ancheta
New Developments and Emerging Issues		
4:05-4:15	Brief Break	
4:15-5:00	Panel Discussion	
5:00-5:15	Concluding Remarks	
5:15-6:30	Adjourn and Semi-Hosted Cocktail Party	