

USSD Workshop – Role of Instrumentation in a Dam Safety Program

Session 1 - Traditional Dam Safety Instrumentation – Monday November 8, 0900 – 1300 Mountain Time

Item	Type	Topic	Presenter
1A	Presentation	Risk Informed Site Characterization and PFMs	Bill Walker
1B	Presentation	Pore Water Pressure Instruments	John Hynes
1E	Presentation	Movement, Deflection, and Seismic Instruments	Ali Ebrahimi
1G	Presentation	Automated Installation	Loic Galisson
1H	Case Study	Automated Installation at Wolf Creek Dam	Bill Walker

Session 2 – Emerging and Future Dam Safety Instrumentation and Tools – Tuesday November 9, 0900 - 1300 Mountain Time

Session 2	Type	Topic	Presenter
2A	Presentation	UAV, ROV, and emerging inspection tools	Gordon Anderlini
2B	Case Study		
2C	Presentation	LiDAR, INSAR, and emerging imagery tools	Loic Galisson
2D	Case Study		Georgette Hlepas
2F	Presentation	Shape Arrays, Fiber Optics, High Accuracy	Pierre Choquet and Loic Galisson

2G	Case Study	GNSS, and emerging deflection measuring instrumentation	Alexandre Simon and Gordon Anderlini/Megan
2G	Panel Discussion	International and Other Industry Uses of Instrumentation	Panel

Session 3 – Interactive Case Studies on Dam Safety Instrumentation – Wednesday November 10, 0900 - 1300 Mountain Time

Session 3	Type	Topic	Presenter
3A	Interactive Case Study	Earth Embankment Instrumentation	Brandon Lanthier and Will Brown
3B	Break		
3C	Panel Discussions	Roles of Engineers, Scientists, Manufacturers, Integrators, and Contractors for a Dam Safety Program	Panel Discussion
3D	Interactive Case Study	Concrete Dam Instrumentation	Georgette Hlepas and Bill Walker

Session 4 – Owner’s Perspectives and Presentations on Data Evaluation – Monday November 15, 0900 - 1300 Mountain Time

Session 4	Type	Topic	Presenter
4A	Presentation	Data Evaluation, Management, and Visualization Introduction	Will Brown
4B	Presentation – Owner’s Perspective and Current Practice	Alabama Power	Lesli Harmon
4C		BC Hydro	Gordon Anderlini
4D		EDF Company (Electricité De France)	Alexandre Simon
4E		USACE	Georgette Hlepas
4F	Panel Discussion	Wish List by Owners on Data Evaluation, Management, and Visualization	Panel Discussion
4H	Presentation	Best Practices and Future of Data Evaluation	Scott Anderson
4I	Presentation	Data Evaluation Considerations	Georgette Hlepas
4J	Case Study	Data Evaluation Considerations Case Study – Bolivar Dam	

4K	Q & A	Open Discussion / Questions on Data Evaluation	
4M	Panel Discussion	Wrap Up / Discussion on Data Evaluation	Panel Discussion