10TH ICGSM
INTERNATIONAL COURSE ON GEOTECHNICAL AND STRUCTURAL MONITORING

NHAZCA
NATURAL HAZARDS CONTROL AND ASSESSMENT

COLORADO GEOLOGICAL SURVEY

AEG ENVIRONMENTAL ENGINEERING GEOLOGISTS
MILE HIGH CHAPTER

PROGRAMME

Day 1 - June 11th

8 am - 8:30 am	Official Opening of the Exhibition Area
8:30 am - 9 am	Welcome of participants and Exhibitors [*Paolo Mazzanti, Giorgio Pezzetti, Matt Morgan & Jill Carlson*]
9 am - 10:15 am	Geotechnical and Structural Monitoring: state of the art and future perspectives [*Paolo Mazzanti*]
10:15 am - 10:45 am	Coffee Break
10:45 am - 11:15 am	Introduction of Exhibiting companies
11:15 am - 12:30 pm	Monitoring design, key parameters, standards and guidelines [*Tony Simmonds*]
12:30 pm - 1:30 pm	Lunch Break
1.30 pm - 3 pm	Monitoring static & dynamic geotechnical deformations in a nutshell: data collection, data analyses and data interpretation [*Werner Lienhart]*
3 pm - 3:15 pm	Coffee Break
3:15 pm - 4:15 pm	Monitoring static & dynamic structural deformations in a nutshell: data collection, data analyses and data interpretation [*Jesse Sipple*]
4:15 pm - 4:35 pm	Monitoring deformations: looking forward [*Thomas Matarazzo*]
4:35 pm - 5:30 pm*	Quick Demos of innovative Hardware & Software and Pitches by Exhibitors*
5:30 pm - 6 pm	Interaction time
6 pm - 9 pm	Welcome Party
***Pitch and Demo by**	• Traversing Inclinometers to automated Inclinometer systems [*Rodolfo Saveedra from Durham Geo Slope Indicator*] • Structure Monitoring System from GINTEC: AFIC Flexible Inclinometer [*Haoyu Lei from GINTEC*] • Loadsensing Event Detection Tiltmeters and Real-time Alerting *[Edmund Kirby & Eric Boucher from Specto Technology]*
***Pitch by**	Geokon, Marmota, Geo-Instruments, Sigicom

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Day 2 - June 12th

8 am - 8:30 am	Interaction time
8:30 am - 10.15 am	Monitoring of ground and surface water in a nutshell [*Georgette Hlepas & Tony Simmonds*]
10:15 am - 10:45 am	Coffee Break
10:45 am - 11:05 am	Monitoring of ground and surface water: looking forward [*Paolo Mazzanti*]
11:05 am - 12:20 pm	Data transmission, management, integration, modelling [*Todd Roberts & Tony Monasterio*]
12:20 pm - 1:20 pm	Lunch Break
1.20 pm - 2.20 pm	Monitoring of slopes [*April Fontaine*]
2.20 pm - 2.40 pm	Monitoring slopes: looking forward, a flexible fixed photogrammetry solution [*Gabriel Walton*]
2.40 pm - 3 pm	Coffee Break
3 pm - 4 pm	Monitoring of roads & railways [*Werner Lienhart*]
4 pm - 4.20 pm	Monitoring of roads & railways: looking forward [*Thomas Oommen*]
4.20 pm - 6 pm*	Quick Demos of innovative Hardware & Software and Pitches by Exhibitors*
6 pm - 6.30 pm	Interaction time with exhibitors

***Pitch and Demo by**

- The benefits and advantages of dynamic vibrating wire measurements [*Michael Adams from Campbell Scientific*]
- DMT SAFEGUARD platform – monitoring everything [Karsten Zimmermann *from DMT]*
- NavStar GeoExplorer Software and GPS-Tilt Solutions for Surficial Displacement Monitoring [*Etienne Constable from Terra Insights*]

***Pitch by**

Geosense, GKM Consultants, Roctest, Trimble, Geocomp, Inzwa Technologies, Osprey Measurement Systems

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Day 3 - June 13th

8 am - 8:30 am	Interaction time with exhibitors
8:30 am - 9.30 am	Monitoring of dams and embankments [*Georgette Hlepass]*
9.30 am - 9.50 am	Monitoring dams: looking forward [*Paolo Mazzanti]*
9.50 am - 10:20 am	Coffee Break
10:20 am - 11:20 am	Monitoring of open mines [*Anna Giacomini*]
11:20 am - 11:40 am	Monitoring of open mines: Looking forward [*Julia Potter*]
11.40 am - 12.45 pm*	Quick Demos of innovative Hardware & Softwarea nd Pitches by Exhibitors*
12.45 pm - 1.45 pm	Lunch Break
1.45 pm - 2.45 pm	Monitoring of Tunnels [*Loic Galisson*] + Company Pitch Sixense
2.45 pm - 3.05 pm	Monitoring of Tunnels: looking forward [*Paolo Mazzanti*]
3.05 pm - 4.15 pm	Monitoring of wind turbines, oil&gas and geothermal fields, pipelines [*Martin Derby*] + Company pitch WSP
4.15 pm - 4.45 pm	Conclusions, outlooks and regards [*Paolo Mazzanti*]
4.45 pm - 6.30 pm	Last chance for interaction
***Pitch and Demo by**	• Assets predictive tools/solution through vibrating behavior *[Rodrigo Raposo & Fabien Ravet from 3GEO]* • Unlocking the potential of critical earth science data using Cambio Earth Systems [B*rad Forber & Jason Waldick from BCG Engineering*] • IoT and ML for safer infrastructures and proactive asset management [*Matteo Lencioni from Move Solutions*] • FBG Fiber optic technology in monitoring projects [*Peter Lowy rom Sylex*]
***Pitch by**	Senceive