

Structural Dynamics Testing I

Lectured by Timothy J. Copeland, BSc, MSc, INCE

Instructor: Tim Copeland, tim.copeland@mpina.com
Time: April 19, 2018
Course Fee: \$1500 (prepaid), \$1800 (onsite)
Contact: Sherry Huang via sherryhxm@dvtesting.com

Tentative program

April 19, 2018

8:00 am-8:30 am: Registration
8:30 am-9:30 am: Theory and basics of modal analysis
9:30 am-10:00 am: Test planning, instrumentation and geometry
10:00 am-10:15 am: Coffee Break
10:15 am-12:00 pm: Test validation, impact testing and SDOF curve fit
(Testing on a real structure)
12:00 pm-1:00 pm: Lunch break
1:15 pm-2:15 pm: Troubleshooting & best practices – is my data good?
(MDOF curve fit, linear/nonlinear checks)
2:15 pm-2:30 pm: Coffee Break
2:30 pm-3:30 pm: Shaker configuration and Correlation
(Excitation types, Model correlation)
3:30 pm-4:30 pm: Modal analysis on fixed base vibration and tour
4:30 pm-5:00 pm: Summary comments and software/results sharing
6:00 pm-8:00 pm: Dinner