

Basic and Advances in NVH for Industry 4.0

MONDAY JULY, 11		
9-10	Course Introduction, E. Mucchi, University of Ferrara	Online meet.google.com/njc-xirc-jna
10-13	Basics of Vibration, E. Manconi, University of Parma	Online meet.google.com/njc-xirc-jna
14-18	Basics of Acoustics, L. Maggi, Gea Group	Online meet.google.com/njc-xirc-jna
TUESDAY JULY, 12		
9-12	Signal processing I, Cecile Capdessus, University of Orleans	Online meet.google.com/njc-xirc-jna
13-15	Measuring vibration, A. Zippo, University of Modena e Reggio Emilia	Online meet.google.com/njc-xirc-jna
15-17	Experimental modal analysis: theory, E. Mucchi, University of Ferrara	Online meet.google.com/njc-xirc-jna
17-18	Measuring acoustics, A. Zippo, University of Modena e Reggio Emilia	Online meet.google.com/njc-xirc-jna
WEDNESDAY JULY, 13		
9-13	Rotating Machinery I, S. Heyns, University of Pretoria	Online meet.google.com/njc-xirc-jna
14-16	Rotating Machinery II, M. Cocconcelli, University of Modena e Reggio Emilia	Online meet.google.com/njc-xirc-jna
16-18	Rotating Machinery III, A. De Felice, University of Modena e Reggio Emilia	Online meet.google.com/njc-xirc-jna
THURSDAY JULY, 14		
9-11	NVH Instrumentation, V. Tollerini, PCB Piezotronics	Online meet.google.com/njc-xirc-jna
11-13	Experimental modal analysis: theory, E. Mucchi, University of Ferrara	Online meet.google.com/njc-xirc-jna
14-18	Diagnostics and prognostics by Machine Learning, G. D'Elia, University of Ferrara	Online meet.google.com/njc-xirc-jna
FRIDAY JULY, 15		
9-11	PERIODICITY-INDUCED EFFECTS AND METHODS IN VIBRO-ACOUSTICS, Sergey Sorokin, Aalborg University,	Online meet.google.com/njc-xirc-jna
11-13	NVH simulations and case studies, M. Calloni, ESI,	Online meet.google.com/njc-xirc-jna
14-16	Numerical Modeling in Structural Acoustics Systems, Jean-Francois Deu, Conservatoire National des Arts et Métiers CNAM	Online meet.google.com/njc-xirc-jna
16-18	Passive Damping Treatments for Structural Vibrations, Jean-Francois Deu, Conservatoire National des Arts et Métiers CNAM	Online meet.google.com/njc-xirc-jna

MONDAY JULY, 18		
9-13	Practice: NVH measurements, E. Mucchi/ E. Proner, University of Ferrara	Lab corpo E
14-18	Visit to Museo Lamborghini	Museo Lamborghini
TUESDAY JULY, 19		
9-11	Environmental testing: theory, M. Troncosi , University of Bologna	Lab info Piccolo - Cattedrale
11-13	End-to-end solutions in NVH for eMobility, D. Catelani/G. Bartolozzi, Hexagon	Lab info Piccolo - Cattedrale
14-18	Practice: experimental modal analysis (hammer testing), M. Troncosi, University of Bologna	Lab corpo E
20	Social dinner: Ristorante La Racchetta (Ferrara)	
WEDNESDAY JULY, 20		
9-13	Practice: rotating machinery, G. D'Elia, University of Ferrara M. Coconcelli, Università di Modena e Reggio Emilia	Lab corpo E
14-16	Practice: environmental testing by Shaker 3D. E. Mucchi/E. Proner, University of Ferrara	Lab corpo E
16-18	Practice: acoustic measurements in Anechoic chamber, F. Pompoli, University of Ferrara	Lab corpo E
THURSDAY JULY, 21		
9-13	Practice in Matlab: diagnostics and prognostics by ML, Gianluca. D'Elia, University of Ferrara	Lab info Piccolo - Cattedrale
14-18	Practice: experimental modal analysis (shaker testing). E. Mucchi/E. Proner, University of Ferrara	Lab corpo E
FRIDAY JULY, 22		
9-13	Practice: experimental modal analysis. E. Mucchi/E. Proner, University of Ferrara	lab corpo E
14-17	Practice: experimental modal analysis. E. Mucchi/E. Proner, University of Ferrara	lab corpo E
17.30	Closing Aperitif	