

**Nat Wongprasert, Ph.D.**  
**Senior Consultant**

Nat Wongprasert has been with Colin Gordon and Associates as a consultant primarily working in the field of structural dynamics and vibration control. He has extensive skills in implementing sophisticated finite element methods and applying advanced dynamics techniques to predict vibrations of structures. His consulting experience also includes: structural design and evaluation; vibration measurements and monitoring; identification of dynamical properties; predictions of ground- and structure-borne vibration from various sources (train, vehicle, forklift, power generators, etc.); evaluation of isolation systems; and tool pedestal design and testing. As part of the company's on-going R&D, he is actively involved in developing and validating mathematical models and computer simulations used for vibration and dynamic response predictions.

**Education**

- Ph.D., Civil and Environmental Engineering  
Washington State University, Pullman, Washington
- Master of Science, Civil and Environmental Engineering  
Washington State University, Pullman, Washington
- Bachelor of Engineering, Mechanical Engineering  
Chulalongkorn University, Bangkok, Thailand

**Selected Project Experience**

- Healthcare and Pharmaceuticals: The Children's Hospital, Denver; Scripps Hospital, La Jolla; Intermountain Medical Center, Salt Lake City; Univ. of Wisconsin Hospital and Clinic; Calico; AztraZeneca
- Semiconductor and Microelectronics: TSMC, SMIC, Micron, CXMT, Apple, ST Microelectronics, Samsung, Global Foundries
- Nanotechnology: Lawrence Berkeley National Laboratory, California NanoSystems Institute (UC Santa Barbara), Birck Nanotechnology Center (Purdue Univ.), ONAMI (Univ. of Oregon); NIMET (Univ. of Florida); WERC (Univ. of Chicago)
- LCD-TFT Facilities: Panda Chengdu, Quanta, HannStar, AU Optronics, CPT
- University Research Labs: UC San Francisco, UC Berkeley, Arizona State Univ., Texas Tech Univ., Univ. of Nevada, Stanford Univ., Cardiff Univ., Emory Univ.

**Papers, Presentations and Publications**

*Nat Wongprasert has published and presented several papers in the area of engineering mechanics and structural engineering. A complete listing of publications will be available upon request. A selection of his papers is available at the firm's website at [www.colingordon.com](http://www.colingordon.com).*