



## INVITATION

**MTEC-NSTDA invites you to join an Event of Innovation:**

**Lecture: STRUCTURAL MONITORING and EVALUATION by EUROPEAN SMART SENSOR TECHNOLOGY**

**Organizer:** MTEC-NSTDA, supported by Chulalongkorn University, Civil Engineering Department and IABSE Thailand

**Speaker:** Mr. Martin FRITZ, Measurement Technology Engineer  
Vienna Consulting Engineers VCE

**Date:** 31<sup>st</sup> of January 2019, 16:00

**Venue:** Chulalongkorn University, Civil Engineering Dpt., Room 209

**Please register at <https://doodle.com/poll/4ri4q7mm32viuaxm> or at [thai.bridge.dpt@civeng.sg](mailto:thai.bridge.dpt@civeng.sg) or 081 907 7990.**

### AGENDA

1. Welcome by the organizers
2. Introduction
3. Company Profile VCE
4. Bridge Monitoring and Evaluation by European Smart Sensor Technology
5. Structural Health Monitoring Solutions with Smart Sensor Technology
6. Damage Detection, Condition Classification and Assessment of Functionality
7. Real World Examples
8. Example RAMA VI Bridge Report
  - 8.1. Description of the structure
  - 8.2. Method Statement
  - 8.3. Description of Measurement
  - 8.4. Assessment results
  - 8.5. Background regarding the utilized KPIs (Key Performance Indicators)
  - 8.6. Statement on structural resistance
  - 8.7. Statement on integrity under dynamic loading
  - 8.8. Bridge Rating
  - 8.9. Summary and Recommendations
9. Question and Answer

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