

Email: wibi@whartono.ca
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Wibisono Hartono, P. Eng Alberta

Highlights

- Over 10 years of experience in computer modeling for various types of structural engineering problems including bridges, ports and buildings
- Innovativeness in creating structural systems to solve civil engineering problems
- Knowledge of theories/principles of structural engineering: steel, concrete, masonry structures, as well as static and dynamic analyses
- Familiar with standard software for structural modeling like SAP2000 and ETABS as well as Canadian Codes

Experience

Aug 2004 to present **STANTEC Consulting** Calgary, Alberta
Part of teamwork and actively involved in performing structural design (concrete and steel structures) of a number of projects, among which:

- *Pine Creek Waste Water Treatment Plant*
- *Peter Lougheed Centre (Hospital) Expansion*
- *Oliver Bowen LRT extension*
- *University of Lethbridge Turcotte Hall Extension*
- *Cochrane Firehall*
- *Shepard Storm Water Diversion*
- *City of Red Deer Waste Water Treatment Plant*
- *Centennial Station Pedestrian Bridge* (preliminary conceptual design)
- *Westjst Office Campus*
- *South Hospital*

Mar 2002 to Apr 2003 **East-West Management Consultants** Mission, British Columbia

- Reviewed and prepared on-line notes and created web pages on *Neuro-Linguistic Programming* (NLP) for the training conducted by the company
- Investigated and designed web pages on *Stress Management*.
- Investigated and prepared on-line notes on the future and challenges faced the universities in the 21st century in relation with globalization and digital technology

Jun 1992 to May 2001 **Nanyang Technological University** Singapore

- Studied the stability behaviour of arch, open-truss bridges and developed conceptual design of floating bridge
- Investigated and developed computer model for proposed floating airport & port systems taken into account fluid-structure interaction
- Developed finite element model and performed full scale tests on stainless steel columns
- Investigated composite behaviour of proposed Fibre Reinforced Plastic girder with concrete slab or steel deck epoxy-bonded to its top flange using finite element modeling and full-scale test
- Developed nonlinear models for geometrical behaviour of columns and trusses.

Oct 1989 to Apr 1992 **Aquanur Pte. Ltd.** Jakarta, Indonesia

- *Analyzed wharves and jetties, developed their finite element models and designed them*
- *Involved in project management during construction works*
- *Performed value engineering analysis to reduce the jetty construction cost by around 20%.*

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Education

- **Doctor of Engineering** in Applied Mechanics, University of Tokyo, Tokyo, Japan
- **Master of Engineering** in Structural Engineering, Asian Institute of Technology, Bangkok, Thailand.
- **Engineer in Civil Engineering**, Trisakti University, Jakarta, Indonesia

Professional Development

- **Certificate Program in Structural Engineering** jointly organized by UBC and Vancouver Structural Engineer Society
Completed courses:
 1. Earthquake Engineering and Seismicity
 2. Dynamic Analysis of Structural Systems
 3. Structural Steel Design of Buildings
 4. Masonry Design of Buildings
 5. Seismic Aspects of Reinforced Concrete Design
 6. Seismic Strengthening of Existing Structures
 7. Computer Software Applications in Structural Engineering
- **AutoCAD 2000**, Vancouver Community College

Volunteer Works

- **Canadian Parks and Wilderness Society**, BC Chapter (Sep 2002 to Jun 2003)
 - Performed clerical and administration works
 - Wrote articles on endangered species in British Columbia
- **Singapore Structural Steel Society** (1997 to 1999)
 - Served as member of Executive Committee
 - Technical Editor of the Society Newsletter
 - Web Manager of Society Web Site

Awards

- Scholarship from Royal Netherlands Government to do graduate study at Asian Institute of Technology, Bangkok, Thailand
Recipient of the **Institute Prize** as the student with the most outstanding performance in the Division of Structural Engineering and Construction.
- Scholarship from Monbusho (Japan Ministry of Education) to do post-graduate study at the University of Tokyo

List of Reference

Available upon request