



PhD supervisor



Professor
Department of Civil and Environmental Engineering
University Technology PETRONAS
Sri Iskandar, Perak, Malaysia

Language(s): English,

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Potential areas for PhD supervision:

- Structural Engineering
- Concrete and Material Sciences
- Building Information Modeling
- Sustainability and Low Carbon Design

Supervising experience:

- Graduated 29 Ongoing: 8 PhD students
- Graduated: 20 Ongoing: 3 MSc students

Employment history in last 5 years:

- 2001 – present University Technology PETRONAS

Membership of professional association:

Since 2010 American Concrete Institute (ACI), American Society of Civil Engineers (ASCE), BEM and PEC

Education – since bachelor degree:

- ~ PhD in Civil Engineering (Concrete Structures)
1995-1999, University of Leeds, UK
- ~ MSc in Structural Engineering
1985-87, AIT, Bangkok, Thailand

Selected recent papers:

1. Strength enhancement of concrete using incinerated agricultural waste as supplementary cement materials, Scientific Reports, 2021
2. Investigating embodied carbon, mechanical properties, and durability of high-performance concrete using ternary and quaternary blends of metakaolin, nano-silica, and fly ash; Environmental Science and Pollution Research, 2021.
3. Relational pre-impact assessment of conventional housing features and carbon footprint for achieving sustainable built environment; Environment, Development and Sustainability, 2021.