

CURRICULUM VITAE

PERSONAL INFORMATION

Name : **Ts. Dr. Thevaneyan Krishta David**
Date of Birth : **14th August 1968**
Office Address : **Universiti Teknologi MARA (UiTM)**
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BRIEF BACKGROUND

Thevaneyan Krishta David is a Senior Lecturer at the Faculty of Civil Engineering in the Center of Studies for Structure and Material Engineering of University Technology MARA (UiTM), Shah Alam. He has more than 20 years of teaching, research and industrial experiences. His professional and academic expertise lies within the area of Structural and Construction Engineering. He has sufficient experiences in management and administration of education as well. Thevaneyan is a Professional Technologist and a Graduate Member of the Board of Engineers, Malaysia. Prior to joining UiTM, he was attached with Polytechnic Ungku Omar Ipoh and Polytechnic Mukah Sarawak holding various portfolios besides lecturing i.e. Head of the Civil Engineering Laboratories and Workshops, Alumni Officer and a member of Procurement Committee.

Thevaneyan's teaching and research expertise lies in the areas of static analysis of determinate and indeterminate structures, Design of Reinforced Concrete Structures, Soil-Structure Interactions, Finite Element Analysis, Building and Construction Materials. He has published over 15 articles in reputable journals and referred conferences. He was an active member of team successfully generates funding from governmental organizations, especially such as Public Work Department and Irrigation Department for research works.

EDUCATION

1. **PhD (Structural Engineering)** - School of Civil Engineering, University of Leeds (Dec 2008 - October 2012) – Thesis entitled- Integral Bridge: Modeling the Soil-Structure Interaction
2. **M.Sc (Structural Eng. & Construction).** – University PUTRA Malaysia, Department of Civil Engineering, Faculty of Engineering (Nov 2005) **CGPA:** 3.896/4.0
3. **B.Sc (Civil Eng.)(Hons).**- University of Technology Malaysia, Institute Technology Tun

- Hussein Onn, Department of Civil Engineering (May 1997) **CGPA:** 3.65/4.0
4. **Diploma in Education**, University of Technology Malaysia, Institute Technology Tun Hussein Onn, Department of Education (Nov 1998) **CGPA:** 3.65/4.0
 5. **Certificate in Civil Engineering (Construction)**:- Polytechnic Port Dickson, Malaysia, Department of Civil Engineering (Nov 1992) **CGPA** 3.70/4.0
 6. **National Skill Certification in Domestic Plumbing Level 1** (1995/96)- National Vocational Training Council (NVTC) {Majlis Latihan Vokasional Kebangsaan (MLVK)} Ministry of Human Resources, Malaysia

WORK EXPERIENCES

- **Senior Lecturer**, Faculty of Civil Engineering, Universiti Teknologi MARA (UiTM), Shah Alam, Selangor, Malaysia (01/08/2013 – now)
- **Senior Civil & Structural Consultant**, KAR Consultants Sdn. Bhd., Kuala Lumpur, Malaysia (17/04/2017 – 17/04/2018)
- **Lecturer** Polytechnic Mukah, Sarawak (01/12/2012- 31/07/2013)
- University of Leeds, School of Civil Engineering
 - **Demonstrator** for CIVE1705 Drawing (09/2009 – 12/2009); (09/2010 – 12/2010); (09/2011 – 12/2011)
 - **Demonstrator** for Structural Laboratory (09/2009 – 12/2009)
- Polytechnic Ungku Omar Ipoh, Malaysia, Department of Civil Engineering (01/1999 – 11/2003 & 11/2005 – 10/2008)
 - **Lecturer:** Teaching Civil Engineering Related Coursework and Engineering Survey, Prepare teaching material and examination question, Supervise Student Projects, Laboratory and Fieldwork.
- Open University Malaysia, Northern Region Campus, Malaysia (2001)
 - **Lecturer:** Conduct tutorials for undergraduate students for the Module of Laboratory Safety and Administration and Design Structure.
- **Trainee Engineer cum Supervisor**, Syarikat Pembinaan Yeoh Tiong Lay ~ Tambun Project, Malaysia - November 12, 1996 – April 12, 1997
- **Site Clerk**, Syuen Constructions Private Limited Malaysia, Dec 1992 - May 1993
- **Trainee Draughtsman / Technician**, SN LOW & Ass. Jalan Kampar, Ipoh Dec 1991- May 1992

PROFESSIONAL MEMBERSHIP

- Malaysia Board of Technologist – Professional Technologist –PT18070787
- Board of Engineers, Malaysia – Graduate Member - No. 34283R
- The Institution of Engineers, Malaysia – Graduate Member - No. G34312
- Hong Kong Chemical, Biological & Environmental Engineering Society (HKCBEEES)- Senior Member –No. 101329

AREA OF RESEARCH

Static analysis of determinate and indeterminate structures, Design of Reinforced Concrete Structures, Soil-Structure Interactions, Finite Element Analysis, Building and Construction Materials

PHD THESIS

Integral Bridge: Modeling the Soil-Structure Interaction (2012)

RESEARCH AND CONSULTATIONS GRANTS/FUNDING

1. **Expert for Pilot Study Preparation and Planning for APEN CIS project** by UTM Razak School of Engineering and Advanced Technology, University Teknologi Malaysia - 2017
2. **Soil-structure interaction of Integral Abutment Bridge under Low Seismic Condition** – Research Acculturation Grants (RAGS) Scheme – 2015-2017
3. **Study on Master Plan for Setiu District Drainage System** (Kajian Pelan Induk Sistem Saliran Daerah Setiu) – 2015-2016 – Consultation work for UiTM / Department of Irrigation and Drainage Malaysia
4. **Performance of Pile-soil Interaction for Integral Bridge** – Member of research group for a Joint venture research program between Universiti Teknologi MARA and Public Work Department - 2015
5. **Repair of Deteriorating Pavement Using Recycle Concrete Materials** – Public Work Department, Batang Padang District -2015

ACADEMIC, JOURNAL AND CONFERENCE PUBLICATIONS

1. **Flexural Strength of Sewage Sludge Ash (SSA) Concrete** - 2018 3rd International Conference on Building Materials and Construction (ICBMC 2018), Nha Trang, Vietnam, 23-25 February, 2018 (2018 *IOP Conf. Ser.: Mater. Sci. Eng.* **371** 012010 <https://doi.org/10.1088/1757-899X/371/1/012010>)
2. **Modified Pervious Concrete Containing Recycled Asphalt Pavement and Waste Tire Rubber** - 2018 3rd International Conference on Building Materials and Construction (ICBMC 2018), Nha Trang, Vietnam, 23-25 February, 2018 (2018 *IOP Conf. Ser.: Mater. Sci. Eng.* **371** 012011 <https://doi.org/10.1088/1757-899X/371/1/012011>)
3. **Compressive Strength of Concrete with Sewage Sludge Ash (SSA)** - 2018 3rd International Conference on Building Materials and Construction (ICBMC 2018), Nha Trang, Vietnam, 23-25 February, 2018 (2018 *IOP Conf. Ser.: Mater. Sci. Eng.* **371** 012009 <https://doi.org/10.1088/1757-899X/371/1/012009>)
4. **Repair of Deteriorating Pavement Using Recycle Concrete Materials** - *Procedia Engineering* 142:370-381 · December 2016 DOI: 10.1016/j.proeng.2016.02.064
5. **Finite element modelling of soil-structure interaction** - *Jurnal Teknologi* Vol 76, 2015, No 8 DOI: 10.11113/jt.v76.5625
6. **Thermal conductivity, compressive strength and water absorption of recycled coconut fibre and crushed clay brick masonry** - *Jurnal Teknologi* Volume 76, Issue 11, 2015, Pages 7-14 DOI: 10.11113/jt.v76.5877
7. **Superstructure Behaviour of a Stub-Type Integral Abutment Bridge** – *Journal of Bridge Engineering* Volume 19, No. 6, PP 012-1 to 012-12 – June 2014
8. **Integral Pile-Backfill Soil Relationship in Stub-Type Integral Abutment Bridge** - *Applied Mechanics and Materials* 699: pg.388 - 394 · September 2014 DOI: 10.4028/www.scientific.net/AMM.699.388
9. **Stub Type Integral Abutment - Backfill Soil Relationship** – *Malaysian Journal of Civil Engineering* 25(2): 212 – 238 (2013)
10. **Integral Pile-Backfill Soil Relationship in Stub-Type Integral Abutment Bridge** - The 3rd

- International Conference and Exhibition on Sustainable Energy and Advanced Material 2013
11. **Integral Bridges: Modelling the Soil-Structure Interaction** – PhD Thesis- University of Leeds – 2012
 12. **Modelling of Soil-Structure Interaction for Integral Abutment Bridge** – World Academic Science, Engineering and Technology Journal Issue 54- June 2011
 13. **Implementation of Linear Numerical Analysis for Integral Abutment Bridge-Soil Interaction** – 2011 IEEE Colloquium on Humanities, Science and Engineering Research (CHUSER 2011) – Penang, Malaysia – December 2011
 14. **Soil Structure Interaction of Integral Abutment Bridges** – Conference Proceedings “International Conference on Structural Engineering and Construction Management” (ICSECM) 2011
 15. **Nonlinear Finite Element Analysis of Integral Bridge** – M.Sc Thesis, Universiti Putra Malaysia – 2005
 16. **Modul B5001-Matematik 5 –Politeknik Malaysia** Technical and Vocational Curriculum Unit, Technical Education Department, Malaysian Education Ministry- 2002
 17. **Kemalangan Jalan Raya Satu Analisis Di Sepanjang Jalan Air Hitam Kluang Dan Bandar Kluang** – Thesis B.Sc (Hons) Civil Engineering – Malaysian Theses Online (MYTO)

HONORS /AWARDS

1. **Best Oral Presentation** at 2018 3rd International Conference on Building Materials and Construction (ICBMC 2018), Nha Trang, Vietnam, 23-25 February, 2018
2. **Excellence Service Award 2007** – Ministry of Higher Education, Malaysia
3. **Federal Training Prize (2003)**- by Ministry of Education, Malaysia to pursue first post graduate studies at Masters level
4. **Federal Training Prize (2008)**- by Ministry of Higher Education, Malaysia to pursue PhD studies
5. **Dean’s List**, University of Technology Malaysia, Institute Technology Tun Hussein (1994 - 1997)
6. **Best Student Award**, Port Dickson Polytechnic 1992
7. **Academic Achievement Award** for Semester July 1995/96, ITTHO, University Technology Malaysia.
8. **Academic Achievement Award**, Civil Engineering Department, ITTHO, University Technology Malaysia 1997