Piti Sukontasukkul, PhD
Professor

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1. Education

Sept. 1996 – Nov. 2001	PhD. Civil Engineering (Civil Engineering Materials) University of British Columbia, Vancouver, Canada
Sept. 1992 – Mar. 1994	M. Eng. Civil Engineering (Structure) Asian Institute of Technology (AIT), Thailand
May 1986 – Apr. 1990	B. Eng. Construction Engineering, Thailand King Mongkut Institute of Technology-Ladkrabang (KMITL), Thailand

Training

- หลักสูตรการปฏิบัติการจิตวิทยาฝ่ายอำนวยการ รุ่นที่ 109 สถาบันวิชาการป้องกันประเทศ กองบัญชาการกองทัพไทย
- 2003 International Training Program for Seismic Design of Structures, Hosted by National Center for Research in Earthquake Engineering, Taiwan ROC.
- 1991 English Intensive Course, Drexel University, Philadelphia, PA. USA,

2. Working and Teaching Experiences

Nov. 2013 – Present	**Professor**, Department of Civil Engineering, King Mongkut's University of Technology-North Bangkok, Bangkok, Thailand
Mar. 2014 – Apr. 2014	**Visiting Professor,** School of Architecture, Hankyong National University, Anseong, South Korea
April 2007 – Nov. 2013	**Associate Professor**, Department of Civil Engineering, King Mongkut's University of Technology-North Bangkok, Bangkok, Thailand
Nov. 2003 – Apr. 2007	**Assistant Professor**, Department of Civil Engineering, King Mongkut's University of Technology-North Bangkok, Bangkok, Thailand
Sept. 1996 - Nov. 2001	**Research Assistant**, Department of Civil Engineering, University of British Columbia, Vancouver, Canada
Sep. 1996 - Nov. 2001	**Teaching Assistant**, Department of Civil Engineering, University of British Columbia, Vancouver, Canada
Apr. 1996 - Nov. 2003	**Lecturer**, Department of Civil Engineering, King Mongkut's University of Technology-North Bangkok, Bangkok, Thailand
May 1994 – Mar. 1996	**Structural Engineer**, Airport Authority of Thailand (AAT), Thailand
1990 – 1991	**Civil Engineer**, Christiani and Neilson (Thailand), Co., Ltd., Thailand

3. Committee and Membership

International

- Member of the Technical Committee, Protect 2015, Michigan, USA (2014-2015)
- Member of Editorial Board, Advances in Concrete Construction, Techno Press, South Korea (2013 – Present)
- Member of International Scientific Committee, 6th Asian Concrete Federation Conference, Seoul, South Korea (2013-2014).
- Committee: Asian Concrete Federation- Sustainability Forum (ACF-SF) (2010 – Present)

- Academic Committee: Guidelines for Environmental Design, Commission 3: Environmental Aspects of Design and Construction, Chaired by Prof. Koji Sakai, International Federation for Structural Concrete (*FIB - fédération internationale du béton, CIB-FIP*)
- Academic Committee: Task Group 3.9: Application of environmental design to concrete structures, Chaired by Prof. Kenji Kawai, International Federation for Structural Concrete (*FIB - fédération internationale du béton, CIB-FIP*)
- Member of the International Advisory Committee, 3rd International Conference on Construction Materials: Performance, Innovations and Structural Implications (CONMAT05) Vancouver, Canada
- Member of the Local Advisory Committee, 2nd International Conference on Concrete under Severe Conditions, CONSEC 01, Vancouver, Canada
- Affiliate Membership – Cotisation 2003 Membre Affilié, Reunion Internationale des Laboratoires et Experts des Materiaux, Systemes de Construction et Ouvrages (RILEM)
- Member, ACI Faculty Network, American Concrete Institute (ACI), USA

National

- Vice President - Thailand Concrete Association (TCA) (2014 up to present)
- Member - Board of Steering Committee, Engineering Institute of Thailand under H.M. the King's Patronage (2014 up to present)
- Committee – Civil Engineering Committee, Engineering Institute of Thailand under H.M. the King's Patronage (2014 up to 2016)
- Committee – Standard Committee, Engineering Institute of Thailand under H.M. the King's Patronage (2014 up to present)
- Assessor - Professional Engineer Level, Council of Engineer, Thailand (2014 to Present)
- Member- Continuing Professional Development Committee, EIT, Thailand (2011 to Present)
- Member of the Editorial Board, KMUTNB Journal, (2014 – Present)
- Chairman – TG4 Concrete for Environmental and Energy Conservation, Thailand Concrete Association (TCA) (2010-2013)
- กรรมการ ผู้ทรงคุณวุฒิประจำส่วนงานวิชาการ คณะวิศวกรรมศาสตร์ มหาวิทยาลัยเทคโนโลยีพระจอมเกล้าพระนครเหนือ (2551-2557)
- ประธาน คณะกรรมการตัดสินการแข่งขันคอนกรีตมวลเบาชิงแชมป์ระดับอุดมศึกษาครั้งที่ 1 2 3 และ 4 ชิงถ้วยพระราชททานสมเด็จพระเทพรัตนราชสุดา สยามบรมราชกุมารีฯ (INSEE Lightweight Concrete Competition) หัวหิน ประเทศไทย
- ผู้ทรงคุณวุฒิ ประเมินบทความวารสารวิชาการระดับนานาชาติหลายฉบับ Construction and Building Materials; Cement and Concrete Research; Materials and Structures; Resources, Conservation and Recycling, Cement and Concrete Research, ASCE-Materials, etc.
- ประธานกรรมการร่างหลักสูตรปรัชญาดุษฎีบัณฑิต สาขาวิชาวิศวกรรมโยธา หลักสูตรใหม่)2552) มหาวิทยาลัยเทคโนโลยีพระจอมเกล้าพระนครเหนือ
- กรรมการคณะทำงาน โครงการฉลากคาร์บอนด์ สถาบันสิ่งแวดล้อมไทย
- ประธาน กรรมปรับปรุงหลักสูตร วิศวกรรมศาสตรมหาบัณฑิต สาขาวิศวกรรมโยธา (หลักสูตรปรับปรุง 2549) มหาวิทยาลัยเทคโนโลยีพระจอมเกล้าพระนครเหนือ
- กรรมการผู้ทรงคุณวุฒิภายนอกประเมินหลักสูตรวิศวกรรมศาสตรมหาบัณฑิต สถาบันเทคโนโลยีพระจอมเกล้าเจ้าคุณทหารลาดกระบัง
- กรรมการผู้ทรงคุณวุฒิภายนอกสอบ วิทยานิพนธ์ระดับมหาบัณฑิต สถาบันเทคโนโลยีพระจอมเกล้าเจ้าคุณทหารลาดกระบัง
- กรรมการผู้ทรงคุณวุฒิประเมินโครงการ ประเภท "Company Directed Technology Development Program" ให้กับสำนักงาน พัฒนาวิทยาศาสตร์และเทคโนโลยีแห่งชาติ)National Science and Technology Development Agency)
- กรรมการประเมินโครงการวิจัยหลายโครงการ จาก สกวทุนนักวิจัยรุ่นใหม่ ., สกว) มหาบัณฑิต-TRF-MAG), IPUS, IRPUS, คณะวิศวกรรมศาสตร์ มจพ

4. Awards and Scholarships

2014	Visiting Professor Fellowship, Hankyong National University, South Korea.
2011	Outstanding Performance Award – Academic Staffs, KMUTNB
2007	2nd Prize, KMUTNB Innovation Award, Innovation for Production Industry, Thailand
2003	Consolation Award, KMITNB Innovation Award, Thailand
2003	Consolation Award, Department of Intellectual Property-Innovation Award, Ministry of Commerce, Thailand
1996	Thai Government Scholarship for PhD
1992	Airport Authority of Thailand Scholarship for Master degree

5. International Presentations

2014 (Invited Speaker) International Workshop in Concrete Sustainability to honor Prof. Koji Sakai's Retirement, Takamutsu, Japan, March 2014.
2013 International Workshop: Sustainability in Concrete Technology & Construction, Petra Christian University, Surabaya, Indonesia,
2013 1st International Conference in Concrete Sustainability, Tokyo, Japan, May 27-27, 2013
2012 (Keynote Speaker) 8th International Conference: Concrete in the Low Carbon Era, Dundee, United Kingdom, 9-11 July 2012
2012 ACF-Sustainability Forum, Green Technologies for Sustainable Concrete Construction, New Delhi, India,
2010 5th Civil Engineering Conference in the Asian Region & Australasian Structural Engineering Conference, Sydney Australia, 2010
2009 1st International Conference on Computational Technologies in Concrete Structures (CTCS'09), Jeju, South Korea.
2007 Proceedings of the 1st International Workshop on Performance, Protection and Strengthening of Structures under Extreme Loading, Canada,
2005 Proceedings on the 3rd International Conference on Construction Materials: Performance, Innovations and Structural Implications (CONMAT05), Canada,
2004 Proceedings of the 4th International Conference on Concrete under Severe Conditions: Environment and Loading (CONSEC 04), Seoul, South Korea.
2003 3rd Asia-Pacific Specialty Conference on Fibre Reinforced Materials, Chang-sha, China.
2003 International Symposia Celebrating Concrete: People and Practice-Role of Concrete in Sustainable Development, Dundee University, United Kingdom.
2001 3rd International Conference on Concrete under Severe Conditions: Environment and Loading (CONSEC 01), Canada
1999 2nd Asia-Pacific Specialty Conference on Fibre Reinforced Concrete, Singapore.

6. Publications

6.1 Journals

1. Kraisit Loamrat, Manote Sappakittipakorn and **Piti Sukontasukkul**, Electrical Resistivity of Cement-Based Sensors under a Sustained Load, Advanced Materials Research Vols. 931-932 (2014) pp 436-440 (doi:10.4028/www.scientific.net/AMR.931-932.436).
2. Kraisit Loamrat, Manote Sappakittipakorn and **Piti Sukontasukkul**, Application of Cement-based Sensor on Compressive Strain Monitoring in Concrete Members, Advanced Materials Research Vols. 931-932 (2014) pp 446-450 (doi:10.4028/www.scientific.net/AMR.931-932.446).
3. Kraisit Loamrat, Manote Sappakittipakorn, **Piti Sukontasukkul** and Nemkumar Banthia, Effect of Carbon Fiber and Graphite Powder on Resistivity of Cement-based Sensor under Compression, KMUTNB: IJAST, Vol.7, No.1, pp. 1-7, 2014.
4. **Sukontasukkul, P.,** Jamnam, S., Sappakittipakorn, M., Banthia, N., "Preliminary Study on Bullet Resistance of Double-Layer Concrete Panel made of Rubberized and Steel Fiber Reinforced Concrete", Materials and Structures, Volume 47, Issue 1 (January 2014), Page 117-125
5. **Sukontasukkul, P.,** Jamnam, S., Rodsin, K., and Banthia, N., 'Use of Rubberized Concrete as a Cushion Layer in Bulletproof Fiber Reinforced Concrete Panels', Journal of Construction and Building Materials, Vol. 41, 2013, pp.801-811.
6. **Sukontasukkul, P.,** 'Technology for Green Concrete Construction', Civil Engineering Magazine, Oct. – Dec. 2012, pp. 7- 14 (Technical Paper-In Thai).
7. **Sukontasukkul, P.,** and Premanoch, P., 'Managing Wasted Tires Problem with Rubberized Concrete" Civil Engineering Magazine, Apr. – Jun. 2012, pp. 17- 23 (Technical Paper-In Thai).
8. **Sukontasukkul, P**., and Tiamlom, K., Expansion under Water and Drying Shrinkage of Rubberized Concrete mixed with Crumb Rubber with Different Size, Journal of Construction and Building Materials, Vol. 29 2012, pp.520–526.
9. **Sukontasukkul, P.,** and Jamsawang, P., Use of Steel and Polypropylene Fibers to Improve Flexural Performance of Deep Soil-Cement Column, Journal of Construction and Building Materials, Vol. 29, 2012, pp. 201-205.
10. **Sukontasukkul, P**., Sanpetch, B., and Songpiriyakit, S., Use Of Ultrasonic Pulse to Monitor Setting Process in Concrete: Effect of Aggregate Size and Content, Journal of KMUTNB, Vol. 22, No. 1, 2012.
11. **Sukontasukkul, P.,** and Suppakittipakorn, M., Site Layout according to Minimum Standard for Antiterrorist Building, Civil Engineering Magazine, Oct-Dec 2011, pp. 28-38 (Technical Paper)
12. **Sukontasukkul, P**., Concrete a Sustainable Construction Material or Not, Civil Engineering Magazine, July-Sept. 2011, pp. 54-61. (Technical Paper)

13. **Sukontasukkul, P.,** and Pomchiengpin, W., Post-Crack (or Post-Peak) Flexural Response and Toughness of Fiber Reinforced Concrete after Exposure to High Temperature, Construction and Building Materials (JCBM), Vol 24, 2010, pp. 1967-1974..
14. **Sukontasukkul, P.,** and Wiwatpattanapong, S., 'Lightweight Concrete Mixed with Superfine Crumb Rubber Powder Part 1: Insulation Properties,' Journal of KMUTNB, Vol. 19, No. 3, Sep - Dec. 2009.
15. **Sukontasukkul, P**., Use of Crumb Rubber to Improve Thermal and Sound Properties of Concrete Panel, Construction and Building Materials (JCBM), Vol. 23, Issue 2, Feb. 2009, Pp. 1084-1092
16. **Sukontasukkul, P.,** and Wiwatpattanapong, S., Moderate Lightweight Concrete Mixed with Recycled Crumb Rubber, Thammasat International Journal of Science and Technology, Vol. 14(1), Jan-Mar 2009, pp. 1-9.
17. **Sukontasukkul, P.,** Direct Greenhouse Gases Emission from Cement Clinker Production, Thailand Concrete Associate Journal (E-Journal), Vol. 3, April 2008 (Technical paper) [http://www.journal.thaitca.or.th/index.php?option=com_content&task=view&id=43&Itemid=37]
18. **Sukontasukkul, P.,** Global Warming, Kyoto Protocol และความเกี่ยวข้องกับอุตสาหกรรมก่อสร้างไทย ตอนที่ 1, Thailand Concrete Associate Journal (E-Journal), Vol. 2, Dec 2007 (Technical Paper) [http://www.journal.thaitca.or.th/index.php?option=com_content&task=view&id=36&Itemid=37]
19. **Sukontasukkul, P.,** and Boonpradit, N., 'Use of Liquid Polymer to Prevent Moisture Loss during Curing and Improve Watertightness at the Hardening Stage,' Thammasat International Journal of Science and Technology (TIJST), Vol. 11, No. 2, April-June 2006, pp. 41-46.
20. **Sukontasukkul, P**., and Chaikaew, C., 'Properties of Concrete Pedestrian Block Mixed with Crumb Rubber,' Journal of Construction and Building Materials (JCBM), Vol. 20, No. 7, Sept. 2006, pp. 450-457.
21. **Sukontasukkul, P**., and Chaikaew, C., 'Concrete Pedestrian Block Containing Crumb Rubber from Recycled Tires,' Thammasat International Journal of Science and Technology (TIJST), Vol. 10, No. 2, Apr.-Jun. 2005, pp. 1-8.
22. **Sukontasukkul, P.**, Mindess, S., and Banthia, N., 'Properties of Confined Fibre-Reinforced Concrete under Uniaxial Compressive Impact,' Journal of Cement and Concrete Research (JCCR), Vol. 35, No. 1, Jan. 2005, pp. 11-18.
23. **Sukontasukkul, P.,** Nimityongskul, P., and Mindess, S., 'Effect of Loading Rate on Damage of Concrete,' Journal of Cement and Concrete Research (JCCR), Vol. 34, No. 11, Nov. 2004, pp. 2127-2134
24. **Sukontasukkul, P.,** 'Tensile Behaviour of Hybrid Fibre Reinforced Concrete,' Advances in Cement Research (ACR), Vol. 16, No. 3, July 2004, pp.115-122.
25. **Sukontasukkul, P**., and Lam, F., "Effect of Tup Geometry on Impact Behaviour of Parallel Strand Lumber (PSL)," Journal of KMITMNB, Vol. 14, No. 2, Apr.-Jun. 2004, pp. 1-7.
26. **Sukontasukkul, P**., 'Toughness Evaluation of Steel and Polypropylene Fibre Reinforced Concrete Beams under Bending,' Thammasat International Journal of Science and Technology (TIJST), Vol. 9, No. 3, Jul.-Sept. 2004, pp. 35 -41.
27. Mindess, S., **Sukontasukkul, P**., and Lam, F., 'Fracture of Air-Dried and Fully Saturated Parallel Strand Lumber (PSL) under Impact Loading,' Wood Science and Technology, Journal of International Academy of Wood Science, Vol. 38, No.3, June 2004, pp. 227-235.
28. **Sukontasukkul, P.,** "Fracture of High Content Polypropylene Fibre Reinforced Concrete under Direct Tension," Journal of KMITNB, Vol. 14, No. 1, Jan.-Mar. 2004, pp. 1-5.
29. **Sukontasukkul, P.,** 'Tensile Behaviour of High Content Steel and Polypropylene Fibre Reinforced Mortar,' Thammasat International Journal of Science and Technology (TIJST), Vol. 8, No. 3, July-Sept. 2003, pp. 50-56.
30. **Sukontasukkul, P**., and Mindess, S., 'The Shear Fracture of Concrete under Impact Loading using End Confined Beams,' Materials and Structures-Special Issue of Concrete Science and Engineering, RILEM, Vol. 36-No. 260, July 2003, pp. 372-378.
31. **Sukontasukkul, P.,** Mindess, S., Banthia, N., and Mikami, T., "Impact Resistance of Laterally Confined Fibre Reinforced Concrete Plates," Materials and Structures / Matériaux et Constructions, Vol. 34, No. 244, December 2001.
32. **Sukontasukkul, P.,** Lam, F., and Mindess, S., "Fracture of Parallel Strand Lumber (PSL) under Impact Loading," Materials and Structures / Matériaux et Constructions, Vol. 33, No. 231, Aug-Sept 2000, pp. 445-450.

6.2 International Conferences

1. Fongchan Jirasit, Smith Songpiriyakij and **Piti Sakontasukkul**, Interlaminar Shear Properties of Geopolymer, ACF 2014, Seoul, South Korea, Sept 20-22, 2014.
2. Sappakittipakorn, M., Rodsin, K., **Sukontasukkul, P.,** Post-Crack Performance of SFRC Column under Quasi-Static Laterally Cyclic Loading-Preliminary Study, 1st International Conference in Concrete Sustainability, Tokyo, Japan, May 27, 2013
3. **Sukontasukkul, P.,** Jamnam, S., Preemanoch, P., Suppakittipakorn, M., and Banthia, N., Use of High Content Crumb Rubber From Wasted Tire in Bulletproof Concrete Panels, 1st International Conference in Concrete Sustainability, Tokyo, Japan, May 27, 2013.

4. **Keynote Paper-Sukontasukkul, P,** Suppakittipakorn, M., and Banthia, N., Bullet Resistance of Double-Layer Concrete Panels Made of Rubberized and Steel Fibre Reinforced Concrete, 8th International Conference: Concrete in the Low Carbon Era, Dundee, United Kingdom, 9-11 July 2012
5. **Sukontasukkul, P.,** Hongthong, P., and Songpiriyakij, S., Accessing Damage Of Plain And Fiber Reinforced Concrete Under Loading using Variations of Ultrasonic Pulse Velocity, The 5th Civil Engineering Conference in the Asian Region & Australasian Structural Engineering Conference 2010, Sydney, Australlia, August 2010.
6. **Sukontasukkul, P.,** "Methodology for Calculating Carbon Dioxide Emission in the Production of Ready-Mixed Concrete," 1st International Conference on Computational Technologies in Concrete Structures (CTCS'09], Jeju, Korea, May 2009 (in CD).
7. **Sukontasukkul, P.,** and Premanoch, P., Green Concrete by Means of Reducing CO_2 Emission through Materials Selection and Its Case Study, International Symposium on Environmental Management: Hazardous (ISEM 08), Nakorn Nayok, Thailand, September 2008 (In CD).
8. **Sukontasukkul, P.,** and Suthithamma, S., "Water Penetration of Fiber Reinforced Concrete after Subjected to Compression Loading," Proceedings of the 1st International Workshop on Performance, Protection and Strengthening of Structures under Extreme Loading, Whistler, Canada, August 2007 (In CD).
9. Mikami, T., **Sukontasukkul, P.,** Mindess, S., and Banthia, N., "Impact Response of Simply Supported Plain Concrete Slab," Proceedings of the 1st International Workshop on Performance, Protection and Strengthening of Structures under Extreme Loading, Whistler, Canada, August 2007 (In CD).
10. **Sukontasukkul, P.,** and Borirakarawin, A., "Properties of Aerated Concrete Mixed with Micro-Fibre," Proceedings on the 3rd International Conference on Construction Materials: Performance, Innovations and Structural Implications (CONMAT05), Vancouver, Canada, August 2005 (In CD).
11. **Sukontasukkul, P.,** Lengwong, A., and Kongsaktragool, T.,"Preliminary Study on the Effect of Moisture on the Flexural Behaviour of Beam Strengthening with Carbon Composite Plate", Proceedings of the 4th International Conference on Concrete under Severe Conditions: Environment and Loading (CONSEC 04), Seoul, Korea, June 2004, pp. 1689-1696.
12. **Sukontasukkul, P.,** "Hybrid Steel Fibre Reinforced Concrete Circular Plates under Bending," 3rd Asia-Pacific Specialty Conference on Fibre Reinforced Materials, Changsha, China, November 2003, Vol.2, pp. 221-226.
13. **Sukontasukkul, P**., "Flexural Behaviour of Circular Steel Fibre Reinforced Concrete Plates", International Symposia Celebrating Concrete: People and Practice-Role of Concrete in Sustainable Development, UK, Sept. 2003, pp. 193-200.
14. **Sukontasukkul, P.,** Mindess, S., and Banthia, N., "Penetration Resistance of Hybrid Fibre Reinforced Concrete under Low Velocity Impact Loading, Annual Conference of the Canadian Society for Civil Engineering, Montreal, Quebec, Canada, June 2002 (In CD).
15. **Sukontasukkul, P.,** Mindess, S., Banthia, N., and Mikami, T., "Fracture of Laterally Confined Fibre Reinforced Concrete under Impact Loading," 3rd International Conference on Concrete under Severe Conditions: Environment and Loading (CONSEC 01), Vancouver, Canada, June 2001, pp. 747-753
16. **Sukontasukkul, P.,** Mindess, S., and Banthia, N., "Fracture of Fibre Reinforced Concrete Notched Beam under Impact Loading," 5th RILEM Symposium on Fibre Reinforced Concrete (FRC), Lyon, France, September 2000, pp. 531-540.
17. **Sukontasukkul, P.,** Mindess, S., and Banthia, N., "Impact Behavior of Parallel Strand Lumber (PSL)," World Conference of Timber Engineering (WTCE2000), Whistler, Canada, July 2000.
18. **Sukontasukkul, P.,** and Mindess, S., "The Fracture of Fibre Reinforced Concrete Plates under Impact Loading," Werkstoffe im Bauwesen: Theorie und Praxis-Hans-Wolf Reinhardt zum 60. Geburtstag (Construction Materials: Theory and Application), Stuttgart, Germany, November 1999, pp.199-200.
19. **Sukontasukkul, P.,** and Mindess, S, "Fibre Reinforced Concrete Plates under Impact Loading," 2nd Asia-Pacific Specialty Conference on Fibre Reinforced Concrete, Singapore, September 1999, pp. 189-196.
20. **Sukontasukkul, P.,** Mindess, S., and Banthia, N., "Impact Behavior of Steel Fibre Reinforced Concrete Plates," Symposium on Natural and Hybrid Composite Materials in Civil Engineering: International Conference on Composites Engineering (ICCE6), Orlando, USA, 1999, pp. 809-810.

7. Research Activities

7.1 Research Interests

Behavior of Concrete under Elevated Temperature, Fiber reinforced concrete (FRC), Impact behavior of concrete, Polymer concrete, Lightweight concrete, Rubberized Concrete, Sustainability of Concrete Materials

7.2 Research Grants

2014 Industry-Cooperated Research Fund, Faculty of Engineering, KMUTNB
2012 Golden Jubilee PhD Research, Thailand Research Fund
2011 Research Career Development Grant, Thailand Research Fund

2010 Industry-Cooperated Research Fund, Faculty of Engineering, KMUTNB
2009 Thailand Research Fund-MAG-Siam City Cement
2008 KMUTNB General Research Grant
2007 KMITNB-Group Research Grant
2005 Thailand Research Fund-Master Research Grant (TRF-MAG)
2004 Faculty of Engineering Research Fund –Faculty of Engineering, KMITNB
2004 RE&D Funding-National Metal and Material Technology Center (MTEC)
2003 Industrial Project for Undergraduate Students Funding (IPUS)-Thailand Research Fund
2003 RE&D Funding-National Metal and Material Technology Center (MTEC)
2002 New Researcher Fund- Thailand Research Fund (TRF)
2002 New Researcher Supporting Fund- King Mongkut Institute of Technology-North Bangkok
2002 Faculty of Engineering Research Fund –Faculty of Engineering, KMITNB

7.3 Graduate Thesis (Main Supervisor)

PhD Dissertation

2012 Double Layer Bullet Proof Concrete Panels made of Rubberized and Fiber Reinforced Concrete (Sitisak Jamnam)

Master Thesis

2014 Properties of Geopolymer mixed with Steel Fibres (Rachamongkol Wongrak)
2014 Properties of Geopolymer mixed with Lightweight Aggregated Impregnated with Phase Change Material Paraffin Type (Nutchayakorn Nontiyutsirikul)
2014 Properties of Fibre Reinforced Concrete Subjected to Gradient High Temperature (Sunisa Sukchoo)
2013 Properties of Concrete mixed with Lightweight Aggregated Impregnated with Phase Change Material Paraffin Type (Ekkachai Intawong)
2012 Carbon Dioxide Emission from Single House Construction Process using LCA Method (Thananan Panus-subsuk)
2011 Determining Crack Location in Concrete using 3-D plot from Ultrasonic Test (Chutipong Paitoon)
2010 Use of Ultrasonic Pulse Velocity to Investigate Setting Characteristic of Concrete Mixed with Pozzolan Type Fly Ash , Silica Fume and Ground Slag (Supaporn Klaythong)
2010 A Study on Toughness Behaviour of Fiber Reinforced Clay Cement (Pathrapong Sintharvorn)
2010 Application of Ultrasonic Pulse Velocity to Test Concrete Setting Time and Predict Compressive Strength (Bariboon Sarnpach)
2009 Variations of Ultrasonic Pulse Velocity of Concrete during Setting and under Loading (Pematat Hongthong)
2008 Mechanical Properties of Fiber Reinforced Concrete Beams after Subjected to Elevated Temperature (Worachet Pomchiangpin)
2007 Water Penetration Resistance of Polymer Modified Concrete Mixed with Steel Fiber (Pansawat Udomsetchai)
2006 Effect of Moisture on Long-Term Behavior of Anchor Bolt in Concrete (Kasem Phronsiriwatthanakul)
2006 Permeability of Fiber Reinforced Concrete after Subjected to the Load (Surachai Suttitumma)
2006 Computer Program for Designing Concrete Mix Proportion using ACI and CSA Standards (Kanokwan Srikrajang)
2006 A Study on Expansion and Drying Shrinkage of Moderate Lightweight Concrete Mixed with Crumb Rubber (Kosiha Tiamlom)
2006 A Study on Long Term Fire Resistance of Structural Steel Member Coated with Perlite Containing Material (Surin Sutthiprabha)
2005 Moderate Lightweight Concrete Mixed with Crumb Rubber (Somyot Wiwatpatanapong)
2004 Study on the Durability Properties of Polymer Modified Concrete (Nitipon Boonpradit)
2003 Study on the Use of Wasted Tire Particles on Soft Surface Concrete Paving Block (Chalermpol Chaikaew)
2002 Study on Durability of Reinforced Concrete Beams Bonded with Carbon Composite Plate: Moisture Effect (Adinan Lengwong)