

**Prof. Ming-Gin Lee, Ph.D.**

**1) General Information**

Ming-Gin Lee, male

● Address: Science and Engineering Building E306, Chaoyang University of Technology, 168, Jifeng E. Rd., Wufeng District, Taichung, 41349, Taiwan, R.O.C.

● Phone: +886-4-23323000 ext. 4239

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● Professor, Chaoyang University of Technology, Department of Construction Engineering

**2) Academic Background and Degrees**

● Bachelor Department of Civil Engineering, Tamking University, Taipei, Taiwan (1980-1984)

● M.Eng. Department of Civil and Environmental Engineering, National Central University, Taoyuan, Taiwan (1987-1989)

● Ph. D. Department of Civil and Coastal Engineering, University of Florida, Gainesville, Florida, U.S.A. (1992-1996)

▪ **3) Scientific Degrees**

Doctoral Degree: University of Florida

Viva: 1996; Supervisor: Prof. Mang Tia,

Topic: Development of relationships between SHRP asphalt test parameters and structural mixtures for mechanistic analysis and rehabilitation design of flexible pavements

**4) Professional Career after Graduation**

● 1987, Environmental Auditor, Taipei County Government Health Bureau, Taipei, Taiwan

● 1989-1992, Lecturer, Department of Civil and Environmental Engineering, Nanya Institute of Technology, Taoyuan, Taiwan.

● 1996-1997, Associate Researcher, Taiwan Construction Research Institute, Taipei, Taiwan

● 1997-2008, Associate Professor, Department of Construction Engineering, Chaoyang University of Technology.

● 2012, Adjunct Research Assistant Scientist & Visiting Scholar at University of Florida, Gainesville, Florida, U.S.A.

● 2008-present, Professor, Department of Construction Engineering, Chaoyang University of Technology.

● 1997- present, Director, Construction Materials Laboratory, Department of Construction Engineering, Chaoyang University of Technology.

**5) Miscellaneous**

● 2019- present, Consultant, Taichung City Government Construction Bureau, Taichung, Taiwan

● 2020, best paper award, The 5th International Conference on Composite Materials and Material Engineering (ICCMME2020), Seoul, South Korea.

● 2019, invited speaker and session chair, The 8th International Conference on Engineering and Innovative Materials (ICEIM 2019), Tokyo, Japan

● 2018, invited speaker and session chair, The 7th International Conference on Engineering and Innovative Materials (ICEIM 2018), Kitakyushu, Japan

● 2017-2020, technical committee member, The International Conference on Engineering and Innovative Materials (ICEIM)

● 2019, proposition member and admission committee member, Admissions Test

## Curriculum Vitae

Center of Technical College in Taiwan

2013- present, Council member, Chinese Lightweight Aggregate Association

- 2018-present, Supervisor member, Taiwan Concrete Institute
- 2017-2018, Council member, Taiwan Concrete Institute

2017, Teaching Materials-Excellent Work Award, Chaoyang University of Technology

2016, classic practical teaching materials-Excellent Work Award, Chaoyang University of Technology

2015, teaching aids-Best Work Award-Creative concrete "Gyro", Chaoyang University of Technology

2015: Building Materials Choose Award, Chaoyang University of Technology

2015: Best paper award, 2015 TCI conference for Concrete Engineering,

Taichung,

Taiwan.

● 2015, Outstanding Civil Alumni Award, Department of Civil Engineering, National Central University, Taiwan.

● 2013, Outstanding Engineering Professor Award, Chinese Pavement Engineering Society, Taiwan.

2013: Best paper award, 2013 TCI conference for Concrete Engineering, Taipei, Taiwan.

● 2011: The 100th National Invention and Creation Award of the Ministry of Economic Affairs (300,000 yuan), Taipei, Taiwan.

2009: Best Paper Award, 2009 TCI conference for Concrete Engineering, Taichung, Taiwan.

2009: Best Work Award, 2009 TCI Creative Concrete Competition, Taichung, Taiwan.

2008: Bronze Medal Award, 2008 TCI Creative Concrete Competition, Taipei, Taiwan.

2006: Best Paper Award, Chinese Society of Civil and Hydraulic Engineering, Taiwan., " Reinforced Concrete Beam-to-Column Joint Expansion Columns to Reinforce Interfacial Slip at Old and New Concrete Layers"

2005: Excellent Teacher Award, Chaoyang University of Technology

2005: First place in teacher practice project production competition and achievement exhibition, Chaoyang University of Technology

1998-2019: Excellent Industrial-Academic Cooperation and Academic

Performance

Award, Chaoyang University of Technology

● Invention Patent: No. I311985, "A material for a gutter cover and its manufacturing method", Republic of China, patent period 2009/7/11 ~ 2026/1/15.

● Invention Patent: No. I372742, " Plasma Water Quenched Rock Ecological Cement", Republic of China, patent period 2012/9/21 ~ 2027/7/8.

New Patent: No. M364723, "Ditch Cover with Incinerated Ash", Republic of China, patent period 2009/9/11 ~ 2019/4/16.

New Patent: No. M 350551, " Concrete Ditch Cover with Plasma Water Quenched Slag", Republic of China, patent period 2009/2/11 ~ 2019/1/15.

● Memberships: Chinese Lightweight Aggregate Association, Taiwan Concrete Institute, Chinese Pavement Engineering Society, Chinese Institute of Civil and

## Curriculum Vitae

### Hydraulic Engineering.

#### 6) Publications

##### a) Scientific publications in peer-reviewed journals

1. Ming-Gin Lee, Mang Tia, Byron E. Ruth and Gale C. Page, "Comparison Between the SHRP Aging Processes for Asphalt Mixtures and Those for Asphalt Binders," Progress of Superpave Evaluation and Implementation, ASTM STP 1322, RN Jester , Ed., (1997) .EI
2. Chau Lee and Ming-Gin Lee, "Effect of Fly Ash and Corrosion Inhibitor on Reinforced Concrete in Marine Environments," ACI Special Publication 170, Durability of Concrete, Editor: V. M. Malhotra, pp. 141-156 (1998). EI
3. Chui-Te Chiu, Ming-Gin Lee, Dar-Hao Chen, "Study of Profile Measurements Using Six Different Devices," Constructing Smooth Hot Mix Asphalt (HMA) Pavements, ASTM STP 1433, MS Gardiner, Ed., American Society for Testing and Materials International, West Conshohocken, PA, pp. 102-113 (2003). EI
4. Ming-Gin Lee, Chui-Te Chiu, and Yung-Chih Wang, "The study for bond strength and bond durability of reactive powder concrete," Advances in Adhesives, Adhesion Science, and Testing, ASTM STP 1463, Editor: Dennis Damico, West Conshohocken, PA, pp. 104-113, (2005).EI
5. Ming-Gin Lee, Yu-Cheng Kan, and Kuei-Ching Chen, "A Preliminary Study of RPC for Repair and Retrofitting Material," Journal of the Chinese Institute of Engineers, Vol. 29, No. 6, pp. 1099 -1103 (2006).SCI
6. Chui-Te Chiu, and Ming-Gin Lee, "Effectiveness of Seal Rejuvenators for Bituminous Pavement Surfaces," Journal of Testing and Evaluation, Vol. 34, No. 5, pp. 71-75 (2006) .SCI
7. Ming-Gin Lee, Yung-Chih Wang, and Chui-Te Chiu, "A Preliminary Study of Reactive Powder Concrete as a New Repair Material," Journal of Construction and Building Materials, Vol.21, No.1, pp. 182-189 (2007) .SCI
8. Yung-Chih Wang, Ming-Gin Lee, and BC Chen "Experimental study of FRP-strengthened RC bridge girders subjected to fatigue loading," Journal of Composite Structures, Vol.81, pp. 491-498 (2007) .SCI
9. Ming-Gin Lee, "A Preliminary Study for Strength and Durability of Microwave and Steam Cured Concrete," ASCE Journal of Materials in Civil Engineering, Vol. 19, No. 11, pp. 972-976, (2007) .SCI
10. Yung-Chih Wang, and Ming-Gin Lee, "Ultra-High Strength Steel Fiber Reinforced Concrete For Strengthening or New Construction Material Of RC Frames," Journal of Marine Science and Technology, Vol.15, No.3, pp. 972-976, (2007). SCI
11. Yu-Cheng Kan, T. Yen, Ming-Gin Lee, "Restored Strength of Cracked Concrete Beam Repaired by epoxy and Polymethyl Methacrylate," ACI Materials Journals. Vol.105, No.5, (2008) .SCI
12. Ming-Ju Lee, Ming-Gin Lee, Yishuo Huang, Yang-hsin Liang "Durability of Broken Concrete Specimens Strengthened with CFRP Sheets," Advanced Materials Research. Vols. 123-125, pp 1119-1122 (2010) .EI
13. Ming-Ju Lee, Ming-Gin Lee, Yishuo Huang, Mang Tia, "Constructability and Performance of Prospective Materials for Repair of Airfield Damaged Concrete," Advanced Materials Research. Vols. 123-125, pp 407-410 (2010) .EI
14. Ming-Gin Lee, Yi-Shuo Huang, Tao-Kuang Chang, Chun-Hua Pao, "Experimental Study of Pervious Concrete Pavement," ASCE Geotechnical Special Publications, Vol. 218 (GSP 218), pp.93-99 ( 2011) .EI
15. Ming-Ju Lee, Ming-Gin Lee, Chih-Hung Chiang and Yang-hsin Liang, "Durability of Strengthening Wooden Members Using CFRP Sheets," Advanced Materials Research. Vols. 374-377, pp 1589-1592 (2012) .EI
16. Ming-Ju Lee, Ming-Gin Lee, Jing-Yu Chen and Mang Tia, "Strength and Freeze-Thaw Testing of Lightweight Aggregate Concretes," Advanced Materials Research. Vols. 723, pp 507-514 (2013) .EI
17. Ming-Gin Lee, Mang Tia, Shun-Hsing Chuang, Yishuo Huang, Chia-Liang Chiang, "Pollution and purification study of the pervious concrete pavement," ASCE Journal of Materials in Civil Engineering, Vol. 26, No. 8 , 04014035. (2014). SCI
18. Yishuo Huang, Chui-Te Chiu, Ming-Gin Lee, Sang-Yuh Lin, "Applying the Multilayer Level Set Approach to Explore the Thermal Surface Characteristics of Hot Mix Asphalt," Journal of Construction and Building Materials, Vols. 53, pp 621-634 (2014) .SCI
19. Ming-Ju Lee, Ming-Gin Lee, Yu-Min SU, Wei-Kai Hsu, "Experimental Study of Applying Steam Curing and Microwave Heating Technology for Fresh Concrete," ASCE Geotechnical Special Publications, Vol. 255 (GSP 255) , pp. 32-40 (2014) .EI
20. Ming-Ju Lee, Ming-Gin Lee, Yung-Chih Wang, Yishuo Huang, Wei-Chien Wang, "Study of Steam

## Curriculum Vitae

- and Microwave Curing of Concretes Containing Slag, Fly Ash or Silica Fume," *Journal of Testing and Evaluation*, Volume 43, Issue 2, pp. 1-7, (March 2015). **SCI**
21. Ming-Ju Lee, Ming-Gin Lee, Yishuo Huang, Yu-Min SU, "Performance Evaluation of Portland Cement Concrete Pervious Pavement: A Case Study in the Puli Office Building Project," *ASCE Geotechnical Special Publications*, Vol. 262 ( GSP 262), pp.172-179 (2016) .**EI**
22. Ming-Gin Lee, Tuzyuan Huang, Yishuo Huang, Chih-Ping Peng, Yu-Min Su, "Preliminary Study of Pervious Concrete on Pavement and Seawall," *Journal of Testing and Evaluation*, Vol. 45, No. 1, pp. 249-259, DOI: 10.1520 / JTE20160156, (2017) **SCI**
23. Mang Tia, Prasan Amornsivilai, Ming-Gin Lee, Yu-Min SU, "Effect of Fly Ash, Silica Fume, and Aggregate Type on Permeability of Concrete," *Journal of Testing and Evaluation*, Vol. 45, No. 2, pp.355-345, DOI: 10.1520 / JTE20150027, (2017) **SCI**
24. Ming-Gin Lee, Wei-Chien Wang, Yishuo Huang, Yu-Min Su, Jiang Quanzhou, "Effect of Carbon Dioxide Curing on Strength Development of Cement Mortar," *Key Engineering Materials*, Vol. 748, pp.323-327 , doi: 10.4028 / www.scientific.net / KEM.748.323 (2017). **Scopus**
25. Che Jialing, Li Quanwei, Ming-Gin Lee, Wang Dan, "Experimental research on mechanical properties of desert sand steel-PVA fiber engineered cementitious composites," *Functional Materials*, Vol. 24, No.4, p. 584-592 (2017) . **Scopus**
26. Ming- Ju Lee, Ming-Gin Lee, Yu-Min Su, Yishuo Huang, Wen-Chih Tung, "The Study of UHPC Precast Concrete Containing Incinerator Fly Ash," *Journal of Testing and Evaluation*, Vol. 46, No. 1, pp. 160-167, (2018) . **SCI**
27. Ming- Ju Lee, Ming-Gin Lee, Yung-Chih Wang, Yu-Min Su, Jia-Lun Deng, "Preliminary Study on Reaction of Fresh Concrete with Carbon Dioxide," *Defect and Diffusion Forum*, ISSN 1662-9507, Vol. 382, pp. 230-234, (2018). **Scopus**
28. Ming-Gin Lee, Yung-Chih Wang, Yu-Min SU, Yishuo Huang, "Studies on some factors affecting CO<sub>2</sub> mixing or CO<sub>2</sub> curing of cement concrete," *ACI Special Publications*, Vol. 326, SP326-120, (2018) . **Scopus**
29. Ming-Gin Lee, Yung-Chih Wang, Yu-Min SU, Shih-Hsuan Kao, "Effect of cylinder size on the Compressive Strength of concrete carbonation curing," *Springer-DE (EI Indexed)*, Vol. 262 (GSP 262), pp.172-179, (2018).
30. Li Quanwei, Ming-Gin Lee, Che Jialing, Yu-Cheng Kan, and Chui-Te Chiu "Experimental research on mechanical properties and corrosion resistance of sea sand cement mortar with fly ash," *International Journal of Applied Science and Engineering*, Vol.15, No.3, pp.199-210, (2018). **Scopus**
31. Ming-Gin Lee, Wang Yongzhi, Gao Shixuan, Su Yumin, Huang Ziyuan, "Study on the Impact of Carbon Dioxide Conservation on Concrete Properties", *China Civil Engineering Journal*, Volume 31, Issue 3, pp. 261-269 (2019) . **EI (Chinese Paper)**
32. Yu-Cheng Kan, Ming-Gin Lee and Hung-Wei Lee, "Mechanical Behavior of Mode I Fractured Concrete Repaired by Polymethyl Methacrylate (PMMA)," *Materials Science Forum*, ISSN 1662-9752, Vol. 990, pp. 50-54, (2020). **Scopus**
33. Ming-Gin Lee, Yu-Min SU, Mang Tia, Wang, You-Xiang, Tuzyuan Huang, Fracture Properties of Aged Asphalt Mixtures Containing Ground Tire Rubber and Styrene-Butadiene Rubber Modifiers at Low Temperatures, *International Journal of Applied Science and Engineering*, Vol. 17, pp. 11-27, (1-Mar-2020) **Scopus**
34. Ming-Gin Lee, Yu-Cheng Kan, Yeng-Fong Shih, You-Xiang Wang, Ming-Ju Lee, "Effect of CO<sub>2</sub> Curing on the Strength of High Strength Pervious Concrete, " *Key Engineering Materials*, Vol. 846, pp.207-212, (2020), **Scopus**
35. Shih, Y.-F., Hou, W.-C., Kotharangannagari, V.K., Lee, M.-G., "Effects of the usage of wasted diatomite and phase change materials as partial replacement of cement on the mechanical properties of concrete," *Key Engineering Materials*, Vol. 847, pp.161-166 (2020), **Scopus**
36. Ming-Gin Lee, Yu-Cheng Kan, Yeng-Fong Shih, You-Xiang Wang, Ming-Ju Lee, Design and Build of a Remote Control Concrete Boat, *Key Engineering Materials*, Vol. 847, pp.323-327, doi:10.4028/www.scientific.net/KEM.748.323 (2020), **Scopus**
37. Fang-Chen Lo, Shang-Lien Lo, Ming-Gin Lee, Effect of partially replacing ordinary Portland cement with MSWI ashes and rice husk ashes on pervious concrete quality, *Environmental Science and Pollution Research*, Vol. 27, Issue 19, Pages 23742-23760 (2020). **SCI**
38. Fang-Chen Lo, Ming-Gin Lee, Shang-Lien Lo, "Effect of mixed coal-fired power plant and rice husk ash partial replacement in ordinary Portland cement on pervious concrete," *Journal of Construction and Building Materials*, Vol. 286, ID# 122947 (7 June 2021). **SCI**
39. Ming-Gin Lee, Wen-Cheng Wang, Yung-Chih Wang, Yao-Tung Hsieh, and Tuzyuan Huang, Preliminary Study of Fire Damage on Pervious Concrete with Silica Fume and Steel Fiber, *Key Engineering Materials*, Vol. 846, pp.155-160, (March 2021) **Scopus**

## Curriculum Vitae

40. Yu-cheng Kan, Ming-Gin Lee, Hung-Wei Lee, Experimental investigation of mode-I fracture toughness of real-cracked concrete repaired by epoxy, *Journal of Construction and Building Materials*, Vol. 293, ID# 123490 (June 2021). **SCI**
41. Anna V. Ryabova, A.Yu. Fanda, Elena A. Yatsenko, Ming Gin Lee, Development of Compositions of New Enamel Coatings with Various Operational and Decorative Properties to Protect Steel Architectural and Construction Panels, *Materials Science Forum*, vol. 1037, Trans Tech Publications, Ltd., July 2021, pp. 684–692. Scopus

### b) Other Publications

1. Li Zhao, Ming-Gin Lee, 1989/3, "Effects of Mixing Concrete with Salty Water on Its Properties", Proceedings of the Fourth Symposium on Pavement Engineering, Hsinchu, pp.169-178. (Chinese Conference Paper)
2. Li Zhao, Ming-Gin Lee, 1989/8, "Research on the Reinforcement Corrosion Inhibition of Calcium Nitrite", Proceedings of the 78th Annual Conference of the Chinese National Defence Corrosion Engineering Society and Comprehensive Anticorrosion Symposium, Taipei, pp.75-80. (Chinese Conference Paper)
3. Ming-Gin Lee, Mang Tia and Byron E. Ruth, 1995/9, "The Effects of SBR and Crumb Rubber Additives on Paving Asphalts," 2nd International Conference on Road & Airfield Pavement Technology, Singapore, pp.490-498 .
4. Ming-Gin Lee, Mang Tia and Byron E. Ruth, 1996/1, "Comparison of Results of SHRP and Conventional Binder Tests on Florida Asphalt Cements,' A paper Presented at the 75 Annual Meeting of Transportation Research Board.
5. Ming-Gin Lee and Mang Tia, 1996/11, "Comparison Between the SHRP Short-term Oven Aging Process and the Rolling Thin Film Oven Test for Simulation of Aging of Asphalt During Construction," IRF Asia-Pacific Regional Meeting Taipei, pp.177-183.
6. Ming-Gin Lee, 1996/12, "Application of Fly Ash to Special Concrete Workers," Proceedings of the Seminar on Proper Use of Fly Ash to Improve Concrete Quality, Taiwan Institute of Construction, pp.85-104. (Chinese Conference Paper)
7. Ming-Gin Lee, Wu Qingfang, Chen Yanbo, 1997/8, "ACI 304 Method of Mercury Delivery for Concrete Pouring," Proceedings of the Conference on Automation of Concrete Construction Technology, Taiwan Institute of Construction, Taipei, pp. 29-70. (Chinese Conference Paper)
8. Ming-Gin Lee, 1997/8, "A New Test for Measuring Low-Temperature Cracking," Proceedings of the Ninth Pavement Engineering Symposium, Fengjia University, Taichung, pp.169-178. (Chinese Conference Paper)
9. Ming-Gin Lee, 1998, "Research on Maintenance Materials for Concrete Runway Failure of Airport Runways," Proceedings of the Third Symposium on Pavement Materials, National Taiwan University of Science and Technology, Taipei. (Chinese Conference Paper)
10. Ming-Gin Lee, 1998, "Comparison of aging procedures between SHRP asphalt concrete and asphalt cement using Florida asphalt recycling method," Proceedings of the Third Symposium on Pavement Materials, National Taiwan University of Science and Technology, Taipei. (Chinese Conference Paper)
11. Ming-Gin Lee, Chuang-Tsair Shih and Mang Tia, 1998/1, "Investigation on the Constructability and Performance of Prospective Materials for Repair of Airfield Damaged Concrete," A paper Presented at the Sixth East Asia-Pacific Conference on Structural Engineering & Construction Conference, Taipei, pp. 1047-1052.
12. Ming-Gin Lee, Wu Zongze, 1999/8, "Research on the Application of Repair Materials to Rigid Pavement," Proceedings of the 10th Pavement Engineering Symposium, National Ocean University, Keelung. (Chinese Conference Paper)
13. Ming-Gin Lee, Li Zhao, 1999/8, "Discussion on the use of fly ash and other admixtures to make high-strength concrete," Proceedings of the Seminar on Application of Mineral Admixtures to Improve Concrete Quality, Taiwan Institute of Construction, Taipei, pp.123- 141. (Chinese Conference Paper)
14. Ming-Gin Lee and JC Chern, 1999/8, "Effect of Steam-Curing Cycle and Proportion Mix on the Strength of Precast Concrete Blocks for Pinglin Tunnel Engineering," A paper Presented at the Seventh East Asia-Pacific Conference on Structural Engineering & Construction Conference, Kochi, Japan, pp.1390-1395.
15. Li Zhao, Ming-Gin Lee, 2000/3, "Quality Inspection of Fly Ash Furnace Stone," Proceedings of the Fair Use of Fly Ash Furnace Stone in Concrete Engineering, Taiwan Institute of Construction, Taipei, pp. 51-79. (Chinese Conference Paper)
16. Ming-Gin Lee, 2000/7, "Effect of Steam Curing on the Strength of Precast Concrete," A paper Presented at the Seventh Annual International Conference on Composites Engineering, Denver,

## Curriculum Vitae

Colorado, pp. 513.

17. Ming-Gin Lee, 2000/11, "Discussion on the Concrete Proportion and Strength Data of Highway Engineering" Proceedings of the 4th Symposium on Pavement Materials, Gaoyuan Institute of Technology, Kaohsiung. (Chinese Conference Paper)
18. Chui-Te Chiu, Ming-Gin Lee, Dar-Hao Chen, "Study of Profile Measurements Using Six Different Devices," A paper for presentation and publication at the ASTM Symposium on Constructing Smooth Hot Mix Asphalt (HMA) Pavements, Dec . 4, 2001, Dallas, Texas.
19. Ming-Gin Lee, 2001/8, "Effect of Microwave Heating and Steam Curing on the Strength of Cement Paste and Concrete," A paper Presented at the Eighth Annual International Conference on Composites Engineering (ICCE / 8), Spain, Tenerife Island.
20. Ming-Gin Lee, Hong Shengquan, 2001/8, "Discussion on the Test of Concrete Bonding Repair Materials," Proceedings of the Eleventh Pavement Engineering Symposium, Yishou University, Kaohsiung. (Chinese Conference Paper)
21. Ming-Gin Lee, Xu Weikai, 2002/7, "The feasibility of applying steam curing and microwave heating technology to fresh concrete" Proceedings of the 3rd Pavement Engineers and Students Joint Research Publication Conference, Central University, Zhongli. (Chinese Conference Paper)
22. Ming-Gin Lee and Lin Chaoqing, 2002/8, "Preliminary Study on Concrete Strength by Microwave Rapid Health", Proceedings of the Sixth Structural Engineering Symposium of the Republic of China, Pingtung University of Science and Technology, pp.C09. (Chinese Conference Paper)
23. Ming-Gin Lee, Xu Weikai, 2002/10, "Discussion on the Strength of Rigid Pavement Concrete by Microwave Health" Proceedings of the Fifth Symposium of Pavement Materials, Chaoyang University of Science and Technology, Taichung. (Chinese Conference Paper)
24. Ming-Gin Lee, Shi Zunren, 2002/10, "Discussion on Concrete Strength and Proportioning Data of Domestic Highway and Bridge Engineering" Proceedings of the Fifth Symposium on Pavement Materials, Chaoyang University of Science and Technology, Taichung. (Chinese Conference Paper)
25. Qian Yucheng, Ming-Gin Lee, Cai Yingming, 2002/10, "Feasibility Study on the Application of Chipped Waste Tires in Concrete Engineering", Proceedings of the Fifth Symposium on Pavement Materials, Chaoyang University of Science and Technology, Taichung. (Chinese Conference Paper)
26. Ming-Gin Lee, Xu Weikai, 2002/10, "Discussion on Concrete Conservation Technology at Home and Abroad," Proceedings of the Conference on Durability Design and Construction Technology for Concrete Engineering, Taiwan Institute of Construction, Taipei, pp.57-80. (Chinese Conference Paper)
27. Ming-Gin Lee, Jianxing Wu, 2003/8, "Preliminary research on RPC super-wear-resistant concrete floor," Proceedings of the 12th Pavement Engineering Symposium, Huafan University, Taipei. (Chinese Conference Paper)
28. Ming-Gin Lee, Li Zhao, Xie Di'an, 2004/5, "Discussion on the Deterioration Cycle of Concrete Subjected to Dry and Wet Seawater" Proceedings of the 11th Non-destructive Detection Technology Symposium, Chaoyang University of Science and Technology, Sun Moon Lake. (Chinese Conference Paper)
29. Yung-Chih Wang and Ming-Gin Lee, 2004/8/1, "Rehabilitation Of Nonductile Beam-Column Joint Using Concrete Jacketing," 13th World Conference on Earthquake Engineering, Vancouver, B.C., Canada, Paper No. 3159.
30. Ming-Gin Lee, "The study for bond strength and bond durability of reactive powder concrete," ASTM Symposia on Advances in Adhesives, Adhesion Science, and Testing, October 4, 2004 in Washington, DC.
31. Ming-Gin Lee, Yanhui Chen, 2005/10, "Preliminary Research on Energy Saving and Recycling of Controlled Low-Strength Materials", Proceedings of the 13th Pavement Engineering Symposium, Zhonghua University, Hsinchu. (Chinese Conference Paper)
32. Ming-Gin Lee, Xie Jianan, and Huang Zhenzhi, 2006/9, "Preliminary Study on the Corrosion Behavior of Reinforced Concrete by Electroless Nickel Heat Treatment Rebar", Contributed by the 8th Symposium of Structural Engineering of the Republic of China. (Chinese Conference Paper)
33. Ming-Gin Lee and Shulan Lin, 2006/9, "Testing and Research on Fire Damage and Freeze Thawing of Reinforced Concrete Reinforced Concrete Members", Contributed by the 8th Symposium of Structural Engineering of the Republic of China. (Chinese Conference Paper)
34. Ming-Gin Lee and Cho-Liang Tsai, 2006/6/28, "Fire-Damage and Freeze-Thaw of Strengthening Concrete Members Using Reactive Powder Concrete," A paper for presentation and publication at the Second International Conference on Concrete Repair — Concrete Solution, St Malo, France.
35. Ming-Gin Lee, Qian Weijun, Huang Dongchi, 2006/12, "Discussion and Update on the Teaching Effectiveness of the Course of Christ Thought and Life", Proceedings of the 2006 Symposium on Physical and Mental Health and General Education, Chaoyang University of Science and

## Curriculum Vitae

Technology, Taichung. (Chinese Conference Paper)

36. Ming-Gin Lee and Guo Jinyan, 2007/11, "Preliminary Study of Plasma Water Quenched Lava as Ecological Cement", 2007 Concrete Engineering Symposium of Taiwan Concrete Institute. (Chinese Conference Paper)

37. Ming-Gin Lee, Qiu Chuide, Yan Cong, Li Kunlong, Tong Wenzhi, 2007/11, "Preliminary Research on the Application of Permeable Concrete in Traffic Engineering", Taiwan Concrete Institute 2007 Concrete Engineering Symposium. (Chinese Conference Paper)

38. Ming-Gin Lee, "Corrosion-related Behaviors of Reinforce Concrete Using Heat Treated of Electroless Nickel-Plated Steel," ASTM Symposia on Corrosion Life Cycle Planning and Optimization, November 13, 2007, Tampa, FL (Symposium Presenter).

39. Ming-Gin Lee, "Introduction and Application of Ultra High Performance Concrete", Proceedings of the 2008 Advanced Concrete Technology and Application Symposium, Chaoyang University of Science and Technology (2008/05/22). (Chinese Conference Paper)

40. Bao Chunhua, Ming-Gin Lee, "Permeable Concrete Proportioning and Construction Technology", Proceedings of the 2008 Advanced Concrete Technology and Application Symposium, Chaoyang University of Science and Technology (2008/05/22). (Chinese Conference Paper)

41. Ming-Gin Lee, Yang Wanfa, Wu Shuwei, Tong Wenzhi, "Research on Ultra High Performance Concrete Adding Waste Incineration Fly Ash", Proceedings of the 7th Technical Seminar on Resource Recycling of Heavy Metal Ash and Sludge, National Cheng Kung University Sustainable Environmental Science and Technology Research Center, Taipei (2009/02/12). (Chinese Conference Paper)

42. Qi Wei, Qiu Yongfang, Zhu Yiyuan, Zhang Daoguang, "Study on the feasibility of permeable concrete applied to ballast paving", Proceedings of 2009 Taiwan Concrete Engineering Symposium, National Chung Hsing University (2009/11 / 6-7). Won the 2009 Best Paper Award (Thesis Supervising Professor) of the Taiwan Concrete Institute. (Chinese Conference Paper)

43. Yishuo Huang, Ming-Gin Lee, Shang-Yuh Lin, David Lin, "Detecting Defects with Employing Multilayer Level Set Approach to Analyze the Collected Thermal Infrared Images", Proceedings of 2009 Taiwan Concrete Engineering Symposium, National Chung Hsing University. Won the 2009 Best Paper Award of Taiwan Concrete Institute. (Chinese Conference Paper)

44. He Zhenghan, Chen Jingyu, Li Mingru, Ming-Gin Lee, "Effects of Different Lightweight Aggregates on Durability of Lightweight Aggregate Concrete", Proceedings of the 2009 Taiwan Concrete Engineering Conference, National Chung Hsing University (2009/11 / 6- 7). Ming-Gin Lee, Tsong-Jen Yang, Chen-An Hsieh, Chen-Chih Huang, "Corrosion Performance of Electroless Nickel-Plated Steel," Proceedings of The Nineteenth International Offshore and Polar Engineering Conference, Osaka, Japan, June 21–26 pp. 515-519 (2009).

45. Ming-Gin Lee, Chui-Te Chiu, Yu-Cheng Kan, Tsong Yen, "Experimental Study of Pervious Concrete on Parking Lot," GeoHunan International Conference on Challenges and Recent Advance in Pavement Technologies and Transportation Geotechnics, Changsha University of Science and Technology August 3-5, Hunan, China (2009).

46. Ming-Gin Lee, Yishuo Huang, "Fire-Damage or Freeze-Thaw of Strengthening Concrete Using Ultra High Performance Concrete," The 2nd International Conference on Multi-functional Materials and Structures, Qingdao, China, Oct. 9–12 ( 2009).

47. Ming-Gin Lee and Yanhui Chen, "Preliminary discussion on energy-saving and waste recycling for controlled low-strength materials", 2010 Seminar on Teaching Materials for Special Projects for the Civil Engineering and Architecture Group of Senior High School in Central District, Department of Construction Engineering, Chaoyang University of Science and Technology (2010 / 3/20). (Chinese Conference Paper)

48. Ming-Gin Lee, Qiu Tide, "Introduction to Construction and Recycling Industry I: Cases and Discussions on Construction Waste & Waste Recycling", Introduction to Construction and Recycling Industry in 2010-Resource Technology Briefing Session, National ZTE University (2010/7/14 ). (Chinese Conference Paper)

49. Xie Mingzhi, Zhang Daoguang, Huang Yishuo, Ming-Gin Lee, Lin Yiwei, "Preliminary Study on Simulating Wave Rising and Temperature Change of Pervious Concrete Seawall", Proceedings of the 2010 Construction Management Symposium, National Union University (2010/7/20) . (Chinese Conference Paper)

50. Qiu Yongfang, Zhang Daoguang, Huang Yishuo, Ming-Gin Lee, Lin Yiwei, "Preliminary Planning and Research on Application of Permeable Concrete in Harbour Structure Facilities and Highway Pavement", Proceedings of the 2010 Construction Management Symposium, National Union University (2010/7/20) . (Chinese Conference Paper)

51. Ming-Gin Lee, "Luping Project Road Project Implementation Process", Yunlin County Government Luping Project Education Training Seminar, Zhonghua University (2010/9/1). (Chinese Conference Paper)

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52. Ming-Ju Lee, Ming-Gin Lee, Yishuo Huang, Yang-hsin Liang "Durability of Broken Concrete Specimens Strengthened with CFRP Sheets," The 3rd International Conference on Multifunctional Materials and Structures, Jeonju, Korea, September 14- 18 (2010).
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