

Ming-Han Li (李明翰)

Department of Landscape Architecture and
Urban Planning, College of Architecture
Texas A&M University
College Station, TX 77843-3137
Office Phone: (979) 845-7571
Email: minghan@tamu.edu

Environmental Management Program
Texas Transportation Institute
College Station, TX 77843-3135
Office Phone: (979) 845-6211

EDUCATION

Ph.D. Urban and Regional Science (2002), Texas A&M University

Emphases: soil bioengineering, stream restoration and soil erosion control in transportation related infrastructure

Dissertation: Extending the Dormancy of *Salix nigra* Cuttings for Use in Biotechnical Streambank Stabilization in Warm Regions

Committee: Harlow C. Landphair (Chair), Chang-Shan Huang, Michael Arnold, Ralph Wurbs

Master of Landscape Architecture (1998), Texas A&M University

Emphases: urban design, main street revitalization and computer technology

Master's Final Project: Applying Computer Simulation and Animation Technology to the Urban Redevelopment of a Small Community: The Main Street Revitalization, Bryan, Texas

Committee: Chang-Shan Huang (Chair), Don Austin, Don House

Master of Science in Civil Engineering (1995), The University of Texas at Austin

Emphases: site remediation and geoenvironmental engineering

Master's Report: Strength of Textured Geomembrane and Nonwoven Geotextile Interfaces

Committee: Robert B. Gilbert (Chair), David E. Daniel

Bachelor of Science in Agricultural Engineering (1990), National Taiwan University

Emphases: hydrology, hydraulics, irrigation, drainage and environmental engineering

PROFESSIONAL REGISTRATION

Landscape Architect, Texas since 2001 (by examination, License No. 2048)

Professional Engineer, Texas since 2002 (by examination, License No. 91045)

AWARDS AND HONORS

2008 Biography in 2009 63rd Edition of **Who's Who in America**

2007 **Graduate Faculty Teaching Award**, College of Architecture, Texas A&M University. For graduate teaching that received the highest score in teaching evaluation.

The Montague Scholar (Teaching Award), Center for Teaching Excellence, Texas A&M University.

2006 & 2007 Selected by the Center for Teaching Excellence as the 2006-2007 tenure-track faculty for the College of Architecture who have shown ability and interest in teaching.

2002 **First Place** in Physical Sciences IV, Student Research Week 2002, Texas A&M University. Research title: "Refrigerating Woody Cuttings Helps Extend Plant Dormancy"

2001 & 2000 **Ph.D. Scholar Award** (Two times), Department of Landscape Architecture and Urban Planning, Texas A&M University

For outstanding scholarly achievements while enrolled in the Ph.D. program in Urban and Regional Science.

- 2000 **Fellow**, Graduate Teaching Academy, Texas A&M University
To honor GTA members who complete the Graduate Teaching Academy Certification Program.
- 2000 **International Erosion Control Association Scholarship**
To honor and support outstanding students who contribute to the erosion control field to attend IECA annual conference and Expo.
- 2000 **The 25% Most Effective Teachers of 200 Level Courses**, Texas A&M University
Instructors who were rated in the top quartile of 200 level courses on the evaluation item: "I believe this instructor was an effective teacher."
- 1999 **First American Bank Scholarship**, Bryan/College Station, Texas
To honor Texas A&M University outstanding international students who contribute to local community
- 1998 **Member**, Phi Kappa Phi ($\Phi\text{K}\Phi$) Honor Society
- 1997 **Gene Schrickel, '50 Endowed Scholarship in Landscape Architecture**, Texas A&M University, Endowed by Gene and Helen Schrickel
- 1997 **Member**, Tau Sigma Delta ($\text{T}\Sigma\Delta$) Honor Society
- 1996 **MLA Scholarship**, Department of Landscape Architecture and Urban Planning, Texas A&M University
- 1996 **Member**, Sigma Lamda Alpha ($\Sigma\Lambda\Lambda$) Honor Society
- 1992 **Distinguished Officer**, The Army, Taiwan
For discharged officers with outstanding leadership achievement in specialized fields.
- 1987 ~ 1990 **The Book Coupon Awards** (Four Times), National Taiwan University, Taipei, Taiwan

EMPLOYMENT HISTORY

- | | |
|------------------|--|
| 2003.9 - present | Assistant Professor |
| 2001.9 - 2003.8 | Visiting Assistant Professor |
| 2000.9 - 2000.8 | Assistant Lecturer |
| 1999.9 - 2000.8 | Teaching Assistant
Texas A&M University, Department of Landscape Architecture and Urban Planning |
| 2003.1 - present | Assistant Research Engineer |
| 2003.9 - 2003.12 | Acting Program Manager |
| 2002.9 - 2002.12 | Assistant Research Scientist |
| 2001.9 - 2002.8 | Associate Transportation Researcher |
| 2000.9 - 2001.8 | Assistant Transportation Researcher |
| 1996.9 - 2000.8 | Research Assistant
Texas Transportation Institute, Environmental Management Program |
| 1995.9 - 1996.8 | Research Assistant
Texas A&M University, Department of Landscape Architecture and Urban Planning |

- 1994.1 – 1995.8 **Research Assistant**
The University of Texas at Austin, Department of Civil Engineering
- 1992.6 – 1993.7 **Research Assistant**
National Taiwan University, Hydrotech Research Institute
- 1990 – 1992 **Second Lieutenant**
Taiwan Army Engineers

PROFESSIONAL EXPERIENCE

2005 – 2006 **Reviewer**

For Professional Publications, Inc. Review technical materials to be published in a book for Landscape Architecture Registration Examination.

1999 – 2002 **Consultant**

For Texas Department of Transportation:

- Cottonwood Creek/Goode Road Project, Hutchins, TX (1999 – 2001)
Project designer of streambank stabilization using two soil bioengineering techniques: vegetated geogrids and dormant post planting. Developed design details, specifications and monitoring strategies. Estimated project cost. Documented and monitored the post-project condition.
- Bollinger Creek/Steven S. Austin State Park Project, Sealy, TX (1999 – 2000)
Project designer of streambank stabilization using one soil bioengineering technique: vegetated geogrids. Developed design details, specifications and monitoring strategies. Estimated project cost.
- Nolan Creek/Belton City Park Project, Belton, TX (2000)
Project designer of streambank stabilization using two soil bioengineering techniques: brushmattress and joint planting. Developed design details, specifications and monitoring strategies. Estimated project cost.
- Little Walnut Creek and Boggy Creek Projects, Austin, TX (2000)
Project designer of streambank stabilization using two soil bioengineering techniques: live cribwall and branchpacking. Developed design details, specifications and monitoring strategies. Estimated project cost.

Others:

- Changsha Yuelu New District Government Building Complex, Hunan, China (2003)
- Dalian Environmental Protection Research and Development Park Project, Dalian, China (2001 & 2002)
Multimedia presentation editor and producer. Edited, revised and produced a 10-minute film documenting design idea, site analysis, design proposal and 3D simulation.
Project director: Chang-Shan Huang
- Hongfu International Retirement Model Community Project, Dalian, China (2000)
Multimedia presentation editor and producer. Interviewed Dr. Roger Ulrich and Professor George Mann in the subject of healthy community design and retirement housing design. Product includes a 20-minute film documenting design idea, site analysis, design proposal and 3D simulation.
Project director: Chang-Shan Huang

1990 – 1992 **Second Lieutenant**

Taiwan Army Engineers

- Construction of Military Dormitory Building, Tofen, Taiwan (1992)

Construction Manager. Management of construction process. Documentation of construction procedure.

- Construction of Control Building for Shooting Range, Tofen, Taiwan (1991)
Construction Manager. Management of construction process. Documentation of construction procedure.
- Renovation of Military Barracks Project, Hsinchu, Taiwan (1990)
Army Engineer. Assignment of daily construction tasks to the company sergeants and soldiers, including demolition of old structures, transport of construction materials and construction of sanitary systems.

RESEARCH

EXTERNAL RESEARCH FUNDS

(% in brackets indicates my share in budget.)

- 2009 – 2012 (Co-PI) Establish Effective Lower Bounds of Watershed Slope for Traditional Hydrologic Methods. Texas Department of Transportation. With (PI) Ted Cleveland (Texas Tech University) and Will Asquith (USGS). \$464,600 (26%).
- 2008 – 2009 (Researcher) Stormwater Treatment with Vegetated Buffer, National Cooperative Highway Research Board Project 25-25, Task 53. With (PI) Beverly Storey, Jett McFalls and Cambridge Systematics, Inc. \$50,000 (5%).
- 2008 – 2009 (Co-PI) Using SWAT to Compare Planning Methods for Neighborhoods: Case Study of Stormwater in The Woodlands, Texas. With Bo Yang (PI) and Chang-Shan Huang. Funded through US Geological Survey 104B program, Grant number 2008TX310B. \$5,000.
- 2007 – 2011 (PI) Bioretention for Stormwater Quality Improvement in Texas. Texas Department of Transportation. With Mike Teal (Texas Transportation Institute) and Kung-Hui Chu (TAMU). \$463,000 (70%).
- 2007 – 2009 (Co-PI) Water Retention Techniques for Roadside Vegetation Establishment in Arid Regions of Texas. Texas Department of Transportation. With Jim Schutt (PI, Texas Transportation Institute), Jim Rogers (WTAMU) and Clay Robinson (WTAMU). \$183,000 (3%).
- 2007 – 2009 (Co-PI) Roadside Sediment Control Device Evaluation Program. Texas Department of Transportation. With Jett McFalls (PI, Texas Transportation Institute). \$270,000 (5%).
- 2006 – 2010 (Co-PI) Synthesis and Study of the Establishment and Management of Roadside Vegetation. Texas Department of Transportation. With Jim Schutt (PI) and Jett McFalls (Texas Transportation Institute). \$510,000 (5%).
- 2006 – 2007 (Researcher) Developing Sustainable Transportation Performance Measures for TxDOT's Strategic Plan. Texas Department of Transportation. With Josias Zietsman (PI) and others (Texas Transportation Institute). \$138,000 (9%).
- 2005 – 2006 (Co-PI) Develop Guidance for Selecting and Cost-Effective Application of Temporary Erosion Control Methods. Texas Department of Transportation. With, Jett McFalls (PI) and Harlow Landphair (Texas Transportation Institute). \$72,695 (50%).
- 2004 – 2005 (Researcher) SDDOT Water Quality Enhancement Program for Construction. South Dakota Department of Transportation. With Harlow Landphair (PI), Beverly Storey and Jett McFalls (Texas Transportation Institute). \$98,000 (10%).
- 2004 – 2007 (PI) Successional Establishment, Mowing Response, and Erosion Control Characteristics of Roadside Vegetation. Texas Department of Transportation.

- With Jett McFalls (Co-PI), Jim Schutt and Harlow Landphair (Texas Transportation Institute). \$291,000 (30%).
- 2004 – 2006 (Co-PI) Comparison of Alternative Seed Mixes to Standard TxDOT Specifications. Texas Department of Transportation. With Jett McFalls (PI) (Texas Transportation Institute) and Jim Schutt (Texas Transportation Institute). \$125,000 (30%).
- 2003 – 2007 (PI) Non-Proprietary, Small Footprint Stormwater Quality Structures for Urban Areas. Texas Department of Transportation. With Harlow Landphair (Co-PI) (Texas Transportation Institute) and Francisco Olivera (Texas A&M University). \$296,000 (30%).
- 2003 – 2005 (Researcher) GIS Static Storm Model Development. Texas Department of Transportation. With Francisco Olivera (PI) (Texas A&M University). \$168,000 (10%).
- 2003 – 2005 (Co-PI) Stormwater Quality Documentation of Roadside Shoulders and Borrow Ditches. Texas Department of Transportation. With Harlow Landphair (Co-PI) (Texas Transportation Institute) and Francisco Olivera (Texas A&M University). \$149,000 (30%).
- 2002 – 2004 (Co-PI) Identify Appropriate Size Limitation for Hydrologic Methods. Texas Department of Transportation. With David Thompson (PI) (Texas Tech University), Tony Cahill (Texas A&M University). \$136,600 (5%).
- 2002 – 2004 (Co-PI) Characteristics of Compost Filter Berms. Texas Commission on Environmental Quality and Texas Department of Transportation. With Beverly Storey (PI) (Texas Transportation Institute), Tim Kramer (Texas A&M University). \$107,500 (50%).
- 2001 – 2003 (Co-PI) Estimating Travel Time of Direct Runoff in Areas of Very Flat Terrain. Texas Department of Transportation. With Tony Cahill (PI) (Texas A&M University). \$152,000 (50%).

INTERNAL FUNDS

-
- 2008 Request of Funding for Purchasing SMART Board/TV Set. Instructional Enhancement/Equipment Fee Fund, College of Architecture, Texas A&M University. \$13,000.
- 2006 (Principal proposal author) Purchase of Tablet PCs to Improve both Student Access and Studio Educational Technology. Computer Access/Instructional Technology Fee (CA/ITF) Funds, Texas A&M University. With Chris Ellis (Texas A&M University). \$48,000 (50%).

PUBLICATIONS

(Asterisks indicate my graduate students)

Peer-reviewed Article/Book Chapter

- (Invited) **Li, M.-H.** 2007. Case study 2: Goode Road/Cottonwood Creek, Hutchins, Texas. In: *National Engineering Handbook, 210-VI, Part 654: Stream Restoration Design, Case Studies*. Natural Resource Conservation Service, The United States Department of Agriculture, CS2-1-CS2-9.

Peer-reviewed Journal Articles

- (Accepted) **Li, M.-H.**, Yi, Y.-J.* , McFalls, J., 2009. Lifetime cost and performance of slope erosion control products for construction. Manuscript submitted to *Geosynthetics International*.
- Lee, J.S.* , **Li, M.-H.**, 2009. The impact of detention basin design on residential property value: case studies using GIS in the hedonic price modeling. *Landscape and Urban Planning* 89 (1-2), 7-16.
- Li, M.-H.**, Chibber, P.* , 2008. Overland flow time of concentration on very flat terrains. *Transportation Research Record: Journal of the Transportation Research Board* 2060, 133-140.
- Li, M.-H.**, Khanna, S.* , 2008. Aging of rolled erosion control products for channel erosion control. *Geosynthetics International* 15 (4), 224-231.
- Li, M.-H.**, Barrett, M.E., 2008. The relationship between antecedent dry period and highway pollutant: conceptual models of buildup and removal processes. *Water Environment Research* 80 (8), 740-747.
- Olivera, F., Choi, J., Kim, D., **Li, M.-H.**, 2008. Estimation of average rainfall areal reduction factors in Texas using NEXRAD data. *Journal of Hydrologic Engineering* 13 (6), 438-448.
- Li, M.-H.**, Barrett, M.E., Rammohan, P.* , Olivera, F., Landphair, H.C., 2008. Documenting stormwater quality on Texas highways and adjacent vegetated roadsides. *Journal of Environmental Engineering* 134 (1), 48-59.
- Li, M.-H.**, 2007. Lessons learned from web-enhanced teaching in landscape architecture studios. *International Journal on E-Learning* 6 (2), 205-212.
- Li, M.-H.**, 2006. Learning from streambank failures at bridge crossings: a biotechnical streambank stabilization project in warm regions. *Landscape and Urban Planning* 77 (4), 343-358.
- Li, M.-H.**, Gilbert, R.B. 2006. Mechanism of post-peak strength reduction for textured geomembrane-nonwoven geotextile interfaces. *Geosynthetics International* 13 (5), 206-209.
- Li, M.-H.**, Landphair, H.C., Arnold, M.A., Mullin, K., Eddleman, K.E., 2005. A dormancy extension technique for biotechnical streambank stabilization in warm regions. *Landscape and Urban Planning* 71 (2-4), 223-231.
- Li, M.-H.**, Murphy, M.D., 2004. Assessing the effect of supplemental web-based learning in two landscape construction courses. *Landscape Review* 9 (1), 157-161.
- Li, M.-H.**, Eddleman, K.E., 2002. Biotechnical engineering as an alternative to traditional engineering methods: a biotechnical streambank stabilization design approach. *Landscape and Urban Planning* 60 (4), 225-242.

Manuscripts Under Review**Book Review**

- Li, M.-H.**, 2008. Stream Restoration Design Handbook (National Engineering Handbook, 210-VI, Part 654) Jerry M. Bernard, Jon Fripp and Kerry Robinson (Eds.) US Department of Agriculture, Natural Resources Conservation Service, 2007. *Landscape and Urban Planning* 87 (2), 97-98.

Peer-reviewed Conference Proceedings/Abstracts

- Yang, B.*, **Li, M.-H.**, 2008. Compare planning methods for neighborhoods: case study of stormwater in the Woodlands, Texas. Published Abstract in the Conference Papers CD-ROM, ACSP-AESOP Fourth Joint Congress, Chicago.
- Li, M.-H.**, Wheelock, L.*, Schutt, J.R., Yi, Y.-J.*, 2007. Examining roadside vegetation: an implication on landscape and environmental planning. Published Abstract, *Negotiating Landscapes*, Council of Educators in Landscape Architecture, Penn State, 165-166.
- Li, M.-H.**, Wheelock, L.*, Schutt, J.R., McFalls, J., Yi, Y.-J.*, 2007. Investigating roadside vegetation: implications on sustainable planning and management. *Ecological Complexity and Sustainability: Abstracts of EcoSummit 2007*, 175-176.
- Rammohan, P.*, **Li, M.-H.**, Barrett, M.E. Kearfott, P. Landphair, H.C., 2006. Performance of vegetated roadsides on Texas highways for removing stormwater pollutants. *Proceedings of Texas Section-ASCE Meeting*. Texas Section American Society of Civil Engineers, 14. (full paper included in the CD)
- Storey, B.B., Raut Desai, A.B., **Li, M.-H.**, 2006. Compost filter berms: are they organic BMP solution? *Proceedings of IECA Conference 37*, The International Erosion Control Association, 211-220.
- Li, M.-H.**, Dahl, B., 2005. Lessons learned from web-enhanced teaching in landscape architecture. Published Abstract. *Conference Program & Abstracts*, Council of Educators in Landscape Architecture, Athens, GA, 235-236.
- Li, M.-H.**, Huang, C.-S., Lalli, J., McCann, J., Slaney, S., Ma, X., Huang, C.-C., Zhang, M., 2004. Culture sensitive design: case studies of recent practice in China. *ASLA 2004 Annual Meeting Abstracts* (formerly Proceedings), American Society of Landscape Architects, Salt Lake City, UT, 26-29.
- Rong, H., Chiao, S., Glass, M., Huang, C.-S., **Li, M.-H.**, Liss-Katz, S., Zhang, M., 2003. Post WTO entry: American landscape architects' opportunities in China. *ASLA 2003 Annual Meeting Abstracts* (formerly Proceedings), American Society of Landscape Architects, New Orleans, LA, 181-185.
- Li, M.-H.**, 2003. A solution to extend plant dormancy for biotechnical streambank stabilization in warm regions. Published Abstract. *Conference Program & Abstracts*, Council of Educators in Landscape Architecture, Charleston, SC, 227-228.
- Li, M.-H.**, Gilbert, R.B., 1999. Shear strength of textured geomembrane and nonwoven geotextile interfaces. *Proceedings of Geosynthetics '99 Conference*, IFAI, St. Paul, MN, 1, 505-516.
- Li, M.-H.**, 1998. Ethnicity and urban landscape: do they have intersection? Published Abstract, *Conference Abstracts*, Council of Educators in Landscape Architecture, Arlington, TX, 159-160.
- Conference Proceedings**
- Li, M.-H.**, Chibber, P., 2008. Overland flow time of concentration on very flat terrains. Compendium of Papers DVD, 87th Annual Meeting of the Transportation Research Board, National Academies, Washington, D.C.
- Li, M.-H.**, Yi, Y.-J., McFalls, J., 2008. Lifetime cost and performance of slope erosion control products for construction. Compendium of Papers DVD, 87th Annual Meeting of the Transportation Research Board, National Academies, Washington, D.C.

- Li, M.-H.**, Barrett, M.E., 2007. Revisit highway pollutant buildup and removal process. Compendium of Papers CD-ROM, 86th Annual Meeting of the Transportation Research Board, National Academies, Washington, D.C.
- Li, M.-H.**, McFalls, J., Foster, D., Raut Desai, A.B., 2007. Erosion control performance of crimped straw mulch on simulated highway roadsides. Compendium of Papers CD-ROM, 86th Annual Meeting of the Transportation Research Board, National Academies, Washington, D.C.
- Storey, B., Raut Desai, A.B., **Li, M.-H.**, 2007. The effects of seeding compost filter berms: a water quality and structural performance study. Compendium of Papers CD-ROM, 86th Annual Meeting of the Transportation Research Board, National Academies, Washington, D.C.
- Khanna, S.* and **Li, M.-H.**, 2006. Aging effects of environmental factors on seven rolled erosion control products used as turf reinforcing mats. American Society of Agricultural Engineers Paper No. 062303. Portland, OR: ASABE.
- Li, M.-H.**, Chibber, P., and Cahill, A.T., 2005. Estimating time of concentration of overland flow on very flat terrains. American Society of Agricultural Engineers Paper No. 052107. Tampa, FL: ASAE.
- Li, M.-H.**, 2004. Learning from Streambank Failures: A streambank soil bioengineering design project in hot climate areas. American Society of Agricultural Engineers Paper No. 042229. Ottawa, Canada: ASAE.
- Li, M.-H.**, Landphair, H.C., McFalls, J., 2003. Comparison of field and laboratory experiment test results for erosion control products. American Society of Agricultural Engineers Paper No. 032352. Las Vegas, NV: ASAE.
- Li, M.-H.**, Landphair, H.C., Mullin, K., 2003. Biotechnical streambank stabilization: challenges of warm region application. Compendium of Papers CD-ROM, 82nd Annual Meeting of the Transportation Research Board, National Academies, Washington, D.C.
- Li, M.-H.**, Landphair, H.C., 2003. Refrigerating woody cuttings helps extend plant dormancy: a promising treatment to extend the construction period for biotechnical streambank stabilization in warm regions. American Society of Agricultural Engineers Paper No. 032128. Las Vegas, NV: ASAE.

Technical Reports

- (In review) **Li, M.-H.**, Sung, C.Y., Chu, K.-H. Bioretention for Stormwater Quality Improvement in Texas: A Literature Review Report No. FHWA/TX-09/0-5949-1, Texas Transportation Institute, College Station, TX, pp. 33.
- Li, M.-H.**, Schutt, J.R., McFalls, J., Bardenhagen, E.K., Sung, C.Y., Wheelock, L., 2008. Successional Establishment, Mowing Response, and Erosion Control Characteristics of Roadside Vegetation in Texas. Report No. FHWA/TX-08/0-4949-1, Texas Transportation Institute, College Station, TX, pp. 106.
- Li, M.-H.**, Raut Desai, A.B., Barrett, M.E., 2008. Underground Stormwater Quality Detention BMP for Sediment Trapping in Ultra-urban Environments: Final Results and Design Guidelines. Report No. FHWA/TX-08/0-4611-2, Texas Transportation Institute, College Station, TX, pp. 94.

- McFalls, J., **Li, M.-H.**, Yi, Y., Landphair, H.C., 2007. Develop Guidance for Selecting and Cost-effective Application of Temporary Erosion Control Methods. Report No. FHWA/TX-05/5309-1, Texas Transportation Institute, College Station, TX, pp. 81.
- McFalls, J., **Li, M.-H.**, Schutt, J., 2007. Comparison of the Use of TxDOT Seeding Mixes and Fertilizer Rates to the Use of Native Grass. Report No. FHWA/TX-07/0-5212-1, Texas Transportation Institute, College Station, TX, pp. 146.
- Landphair, H.C., **Li, M.-H.**, McFalls, J., Raut Desai, A.B., Takkamatsu, M., Barrett, M.E., Charbeneau, R.J., 2007. The Development of Non-proprietary Underground Stormwater Quality Structures. Report No. FHWA/TX-07/0-4611-1, Texas Transportation Institute, College Station, TX, pp. 136.
- Olivera, F., Kim, D., Choi, J., **Li, M.-H.**, 2006. Calculation of Areal Reduction Factors Using NEXRAD Precipitation Estimates. Report No. FHWA/TX-07/0-4642-3, Texas Transportation Institute, College Station, TX, pp. 74.
- Barrett, M., Kearfott, P., Malina, J.F., Jr., Landphair, H.C., **Li, M.-H.**, Olivera, F, Rammohan, P., 2006. Pollutant Removal on Vegetated Highway Shoulders. Report No. FHWA/TX-05/0-4605-1, The University of Texas at Austin, Austin, TX, pp. 130.
- Storey, B.B., Raut Desai, A.B., **Li, M.-H.**, Landphair, H.C., Kramer, T., 2006. Water Quality Characteristics of Compost Filter Berms. Report No. FHWA/TX-06/0-4572-1, Texas Transportation Institute, College Station, TX, pp. 120.
- Cahill, A.T., **Li, M.-H.**, 2005. Measurement and Simulation of Flow on Surfaces with Extreme Low Slope for Determination of Time of Concentration. Report No. FHWA/TX-04/4404-2, Texas Transportation Institute, College Station, TX, pp. 59.
- Landphair, H.C., McFalls, J., Storey, B., **Li, M.-H.**, 2005. SDDOT Water Quality Enhancement Program for Construction. Report No. SD04-05-F, South Dakota Department of Transportation, Pierre, SD, pp. 73.
- Landphair, H.C., **Li, M.-H.**, 2003. Investigating Applicability of Biotechnical Streambank Stabilization in Texas. Report No. FHWA/TX-01/1836-1, Texas Transportation Institute, College Station, TX, pp. 67.
- Landphair, H.C., **Li, M.-H.**, 2001. Regional Applications for Biotechnical Methods of Streambank Stabilization in Texas: a Literature Review. Report No. FHWA/TX-01/1836-3, Texas Transportation Institute, College Station, TX, pp. 37.
- Landphair, H.C., **Li, M.-H.**, Cipriano, R., Permenter, L., 2001. Dry Weather Screening of TxDOT Fort Worth District: Summary Report and Database Operation Manual. Texas Transportation Institute, College Station, TX, pp. 28.
- Li, M.-H.**, 2000. Design Concept 2: amphitheater and park design for the City of Somerville. In: D.L. Pugh (Ed.). State of the City, Somerville, Texas: We're Right on Track! Texas Target City Program, Department of Landscape Architecture and Urban Planning, Texas A&M University, pp. 2.1-2.9.

Landphair, H.C., McFalls, J.A., Peterson, B.E., **Li, M.-H.**, 1997. Alternatives to Silt Fence for Temporary Sediment Control at Highway Construction Sites: Guides for TxDOT. Report No. FHWA/TX-97/1737-S, Texas Transportation Institute, College Station, TX, pp. 92.

Hsu, M.-H., **Li, M.-H.**, Ju, L.-W. 1993. A Study on Influence of Channel Regulation and Monitoring System in Keelung River. Semi-annual Report, Hydrotech Research Institute, National Taiwan University. (in Chinese)

PRESENTATIONS

Invited Speeches

“Large Scale Bioretention” In “Managing Wet Weather with Green Infrastructure Workshop” sponsored by EPA Region 6 office and the City of San Antonio, February 17-18, 2009.

“Diversity of Landscape Architecture: The Engineering Chapter.” 2008 Graduation and Final Presentation, Department of Landscape Design and Management, National Chin-Yi University of Technology, Taichung County, Taiwan on June 15, 2008. Invited by Department Chair, Dr. Ke-Tsung Han.

“Streambank Soil Bioengineering: Texas Design Cases and Design References.” 2008 Texas Chapter ASLA Conference in Fort Worth, TX, April 3-4, 2008. Invited by Texas Chapter ASLA and approved for continuing education professional hours.

“What is good teaching?” and “Classroom communication strategies.” Teaching Assistant Training and Evaluation Program of Center of Teaching Excellence at Texas A&M University, August 23, 2006.

“Good water, bad water: stormwater management.” Invited Seminar to LAND 681, Department of Landscape Architecture and Urban Planning, Texas A&M University, September 14, 2005.

“Fuzzy edges between red, green and blue: hot climates in streambank soil bioengineering.” Invited Seminar, Department of Geography, Texas A&M University, February 13, 2004.

“Application of multimedia presentation in design.” with Chang-Shan Huang in Student Workshop 2003 “No Limits”, Texas A&M University, College Station, TX on February 22, 2003.

“Virtual downtown.” 12th Science, Technology & YOUth Symposium in College Station, TX, 1998.

Conference/Meeting Presentations

(Note: presentations listed under “Conference Proceedings” are not re-listed here.)

“Revisiting Highway Pollutant Buildup and Removal Process.” Global Symposium: Research on the Built and Virtual Environments, College of Architecture, Texas A&M University, October 29, 2007.

“Erosion and Sediment Control BMPs on Construction Sites.” 2007 Texas Chapter ASLA Conference in Houston, TX, April 18-20, 2007.

“The Investigation of Roadside Vegetation Successional Changes: An Implication on Environmental Planning.” To be presented in the ACSP Annual Meeting, Fort Worth, TX, November 9-12, 2006.

“Aging Effects of Environmental Factors on Seven Rolled Erosion Control Products Used as Turf Reinforcing Mats.” Global Symposium: Research on the Built and Virtual Environments, College of Architecture, Texas A&M University, October 30, 2006.

“Lessons learned from web-enhanced teaching in landscape architecture.” Global Symposium: Research on the Built and Virtual Environments, College of Architecture, Texas A&M University, November 14, 2005.

“Lessons learned from web-enhanced teaching in landscape architecture.” Council of Educators in Landscape Architecture annual meeting in Athens, GA, September 21-24, 2005.

“Soil bioengineering integrated with a traditional structural stabilization measure: a demonstration project in hot climate areas.” International Erosion Control Association Annual Conference & Expo in Dallas, TX, February 20-23, 2005.

“Practice in China: Opportunities and Challenges” 2005 Texas Chapter ASLA Conference in Austin, TX, March 30 – April 2, 2005.

(Panel Moderator) “Culture sensitive design: case studies of recent practice in China.” American Society of Landscape Architects Annual Meeting in Salt Lake City, UT, October 30-November 2, 2004.

(Moderator) “Learning from streambank failures: a streambank soil bioengineering design project in hot climate areas.” American Society of Agricultural Engineers International Meeting in Ottawa, Canada, August 1-4, 2004.

“Assessing the effect of supplemental web-based learning in two landscape construction courses.” Council of Educators in Landscape Architecture annual meeting in Christchurch, New Zealand, June 24-29, 2004.

“Biotechnical streambank stabilization: challenges of warm region application.” Global Symposium: Research on the Built and Virtual Environments, College of Architecture, Texas A&M University, October 27, 2003.

“Bench scale and physical property testing.” First Pooled Fund Project Meeting in College Station, TX, September 17, 2003.

“Regional applications of biotechnical methods of streambank stabilization.” to TxDOT Research Management Committee 3 in San Antonio, TX, on June 10, 2002.

“The utilization of interactive multimedia in landscape architecture practice.” LandTech session, ASLA annual meeting in Saint Louis, MO, 2000.

“Shear strength of textured geomembrane and nonwoven geotextile interfaces.” Geosynthetics annual meeting in Boston, MA, 1999.

“Ethnicity and urban landscape: do they have intersection?” Council of Educators in Landscape Architecture annual meeting in Arlington, TX, 1998.

“Revitalization of downtown Bryan.” to the Bryan City Council, the City of Bryan, TX, 1998.

Poster Presentations

“Estimating time of concentration of overland flow on very flat terrains.” American Society of Agricultural Engineers International Meeting in Tampa, FL, July 17-20, 2005.

“A technique to extend plant dormancy for biotechnical engineering in warm regions.” International Erosion Control Association annual conference & expo in Philadelphia, PA, February 16-20, 2004.

“Refrigerating woody cuttings helps extend plant dormancy: a promising treatment to extend the construction period for biotechnical streambank stabilization in warm regions.” The National Roadside Vegetation Management Association annual conference in Spokane, WA, October 6-8, 2003.

“A solution to extend plant dormancy for biotechnical streambank stabilization in warm regions.” Council of Educators in Landscape Architecture annual meeting in Charleston, SC, September 23-27, 2003.

TEACHING

TEACHING

University Courses

- LAND 689 Special Topic in Design and Planning for Soil and Water Management (Fall 2005 and 2006). A graduate course dealing with hydrology, stormwater management and soil erosion control. Course activities include lectures, discussion, co-teaching, field trip and research term paper.
- LAND 614 Landscape Architectural Construction (Spring 2006 and 2008). Construction document preparation, working drawings, project layout and design. Theory and principles of irrigation and lighting design. Use of WebCT Vista for course material delivery and management.
- LAND 612 Landscape Architecture Site Development (Fall 2003, 2004, 2006 and 2007). This course provides a technical background and practical exercises in the fundamental knowledge and skills of grading, earthwork, drainage, hydrology and surface hydraulics, and transportation planning and basic geometric design. In addition, construction materials are introduced.
- LAND 420 Landscape Design V (Fall 2001 and 2002). Studio/seminar class addressing design programming and real-world landscape architectural projects. Comprehensive research and planning application. Application of advanced information technology. Professional level of report documentation.
- LAND 331 Landscape Construction III (Spring 2003, 2004, 2006 and 2008). Construction document preparation, working drawings, project layout and design. Theory and principles of irrigation and lighting design. Use of WebCT for course material delivery and management.
- LAND 330 Landscape Construction II (Spring 2005). This course focuses on design detail development, construction sequence and construction working drawings. Details include concrete, masonry, metal, wood and plastic products.
- LAND 329 Landscape Construction I (Fall 2000, 2003, 2004 and 2007). This course provides a technical background and practical exercises in the fundamental knowledge and skills of grading, earthwork, drainage, hydrology and surface hydraulics, and transportation planning and basic geometric design.
- LAND 321 Landscape Design IV (Spring 2002, 2004 and 2005). Studio/seminar class addressing sustainable development, community development, urban design, design process and programming. All aspects of design process and technology were incorporated into assigned projects with comprehensive emphasis on human factors, natural system, grading, planting, irrigation and lighting.
- LAND 320 Landscape Design III, Fall 2004 and 2005. Design studio focusing on land use proposal and analysis in a watershed level and the comprehensive understanding of the natural/ecological system. Integration of GIS tool with the design studio.
- LAND 319 Landscape Design II, Spring 2001. Studio/seminar class addressing influences of human factors in design decision-making. Focus on landform, circulation, water, planting and building.
- LAND 221 Landscape Design II, Spring 2000. Studio/seminar class addressing influences of human factors in design decision-making. Focus on landform, circulation, water, planting and building. Semester teaching was rated in the top quartile of 200 level courses on the evaluation item: "I believe this instructor was an effective teacher" in Texas A&M University.
- LAND 220 Landscape Design I, Fall 1999. Studio course focusing on basic landscape design skills including color theory, composition, forms, textures and scales.

Professional Training Workshops/Short Courses

- 2008.6 “Soil Erosion” short course sponsored by Texas A&M University and The Geo-Institute of American Society of Civil Engineers.
- 2008.3 “Levee Overtopping and Soil Erosion” short course sponsored by The Geo-Institute of American Society of Civil Engineers.
- 2007.6 “Soil Erosion” short course sponsored by Texas A&M University and The Geo-Institute of American Society of Civil Engineers.
- 2003 – 2006 Texas Department of Transportation’s “Erosion and Sediment Control Course (ENV 102).” Teach TxDOT design engineers, environmentalists and inspectors soil erosion practice.
- 2005.1 GeoFrontiers - 2005 Short Course: “Soil Erosion – Problems, Regulations and Solutions” sponsored by American Society of Civil Engineers.

Invited Guest Lectures

- WMHS 601 Applications and Problems in Hydrological Science, Spring 2009. Invited by the instructor Dr. Patti Smith to present urban stormwater management on February 10, 2009.
- URSC 493 URSC Capstone Course, Spring 2009. Invited by the instructor Dr. Carla Prater to present stormwater management on January 29, 2009.
- LAND 200 Introduction to Landscape Architectural Practice, Fall 2008. Invited by the instructor Tom Woodfin to present “*Stormwater Management*” on November 11, 2008.
- LAND 320 Landscape Design III, Fall 2008. Invited by the instructor Nancy Volkman to present stormwater management on November 3, 2008.
- ARCH 458 Global Practice and Cultures, Fall 2008. Invited by the instructor Rodney Hill for a global practice panel on October 23, 2008.
- LAND 200 Introduction to Landscape Architectural Practice, Spring 2008. Invited by the instructor Jody Naderi to present “*Stormwater Management*” on April 11, 2008.
- CVEN 455 Urban Stormwater Management, Spring 2008. Invited by the instructor Dr. Francisco Olivera to present “*Introduction to Stormwater Quality BMPs*” on March 17, 2008.
- LAND 645 Diversity Practice, Fall 2007. Invited by Professor Jody Naderi to discuss career paths.
- LAND 200 Introduction to Landscape Architectural Practice, Spring 2007. Invited by the instructor Bo Yang to present “*Stormwater Management*” on April 13, 2007.
- LDEV 661 Development and the Environment, Spring 2007. Invited by the instructor Dr. Chanam Lee to present “*Stormwater Management*” on April 9, 2007.
- LAND 200 Introduction to Landscape Architectural Practice, Fall 2006. Invited by the instructor Dr. Chris Ellis to present “*Stormwater Management*” on September 29, 2006.
- LDEV 661 Development and the Environment, Spring 2006. Invited by the instructor Dr. Chanam Lee to present “*Stormwater Management*” on April 10, 2006.
- CVEN 455 Urban Stormwater Management, Fall 2005. Invited by the instructor Dr. Francisco Olivera to present “(1) *Introduction to Stormwater Quality BMPs*, and (2) *Erosion and Sediment Control BMPs*” on November 14 & 18, 2005.
- LAND 200 Introduction to Landscape Architectural Practice, Fall 2005. Invited by the instructor Dr. Chris Ellis to present “*Good Water, Bad Water: Stormwater Management*” on September 16, 2005.
- LDEV 661 Development and the Environment, Spring 2005. Invited by the instructor Dr. Chanam Lee to present “*Introduction to Stormwater and Related Issues*” on April 11, 2005.

- LAND 200 Introduction to Landscape Architectural Practice, Fall 2004. Invited by the instructor Dr. Chris Ellis to present “*Landscape Architecture*” on September 17, 2004.
- LAND 330 Landscape Design II, Spring 2004. Invited by Dr. Michael Murphy to lecture “*Rational Method for Sizing Detention Ponds*” on March 25, 2004.
- LAND 645 Diversity Practice, Fall 2003. Invited by the instructor Dr. Byoung-Suk Kweon to present “*Hydraulics, Sedimentation and Erosion Control Laboratory*” on November 18, 2003, and December 2, 2004.
- LAND 320 Landscape Design III, Fall 2003. Invited by the instructors Tom Woodfin and Jody Naderi to present “*Introduction to Biotechnical Streambank Stabilization*” on November 5, 2003.
- LAND 421 Landscape Design VI, Spring 2002. Invited by the instructor Dr. Jon Rodiek to present “*Biotechnical Engineering*” to senior landscape architectural students.
- LAND 645 Diversity Practice, Fall 2000. Invited by the instructor Dr. Byoung-Suk Kweon to present “*Water Quality in Landscape Architecture*” to graduate students.

Graduate Committee

Student Name	Faculty Role	Degree Sought	Topic/Title	Graduation Date
Chan Yong Sung	Chair	Ph.D.	Sustainable Planning	2010
Young-Jae Yi	Chair	Ph.D.	Urban Planning	2010
Tsung-Pei Cheng	Chair	Ph.D.	Sustainability Assessment	2010
Jae Su Lee	Co-chair	Ph.D.	Sustainable Transportation	2009
Bo Yang	Co-chair	Ph.D.	Ecological Planning and Stormwater	2009
Dongkyun Kim	Member	Ph.D. in Civil Engineering	Hydrology and GIS	2009
Che-Chia Chang	Member	MLA	Urban Design	2009
Tasha Davis	Member	MLA	Wetland Creation, Cypress Creek	2009
Muzibur Rahman	Member	M.S. in Construction Science	4D Visualization	2008
Sheena Arora	Member	MLA	Urban Design	2008
Nick Biewenga	Member	MLA	Architecture Ranch Masterplan	2008
Megan Meier	Member	M.S. in Water Management and Hydrological Science	Stream Restoration	2008
Lee Wheelock	Chair	MLA	Day Springs Church Open Space Master Plan	2007
Arnes Purdy	Chair	MLA	White Creek Greenway Preservation	2007
Jennifer Trojczak	Member	MArch	Health Facility	2007
Benjamin Prais Israel Devadason	Member	M.S. in Civil Engineering	Contraction Scour in Compound Channels with Cohesive Soil Beds	2007
Pavitra RamMohan	Co-Chair	M.S. in Civil Engineering	Roadside Stormwater Quality Documentation	2006
Hyunjung Byun	Co-Chair	MLA	Southeast Community Park	2006
Tad French	Co-Chair	M.S. in Land Development	Natural Development: The Synergy of Ecological Principles with Residential Development	2005

Yun Zhao	Co-Chair	MLA	American Bodhi Center Master Plan	2005
Dipti Trivedi	Co-Chair	MLA	American Bodhi Center Master Plan	2005
Sumeet Khanna	Co-Chair	M.S. in Civil Engineering	Aging effects of environmental factors on rolled erosion control products	2005
Shweta Gupta	Member	MLA	Providence Church Memorial Park	2005
Jui Gadade	Member	MLA	Habitat Landing and Park	2005
Paramjit Chibber	Member	M.S. in Civil Engineering	Overland Flow Time of Concentration on Flat Terrains	2004
John Lang-Viem Truong	Member	M.S., the viz lab program of architecture	Handling Hands	2004
Dexing Dai	Member	M.S. in Construction Science	Additional Responsibilities of Project Managers on Green Building Projects	2004

Fellow, Graduate Teaching Academy, Texas A&M University (2000)

Participated in the teaching mentor program organized by the Graduate Teaching Academy (GTA) to be certified as a teaching Fellow of GTA. Attended teaching seminars and teaching portfolio workshops. Teaching portfolio is available upon request.

Mentor: Chang-Shan Huang

SERVICE

EDITORIAL WORK

Book Review Editor, *Landscape and Urban Planning*, Elsevier (since 2007.11)

Editorial Advisory Board, *The Open Urban Studies Journal* (since 2007.12)

Editor/co-editor and Designer, *Perspectives*, the newsletter of Texas A&M University Department of Landscape Architecture and Urban Planning (since 2004)

Designer, *AggieLAND*, the newsletter of Texas A&M University Landscape Architecture Program (2003)

Editor, *Designer*, the official newsletter of Overseas Chinese Landscape Architects Association (OCLAA) (2002 – 2003)

Editor, OCLAA web site (www.oclaa-chinese.org) (2002 – 2003)

REVIEWS FOR JOURNAL PAPER/CONFERENCE ABSTRACT

- 2009 Manuscript review, *The Science of the Total Environment*
- 2008 Manuscript review, *GeoJournal*
 Manuscript review, *Landscape Research*
 Abstract review, Council of Educators in Landscape Architecture 2008 conference
- 2007 Manuscript review, *Landscape and Urban Planning*
 Manuscript review, *CIGR (Commission Internationale du Génie Rural) Ejournal*
- 2006 Proposal review, National Science Foundation – Geography and Regional Science program (proposal no. 0650237)
 Manuscript review, *Geosynthetics International*
- 2005 Manuscript review, *CIGR (Commission Internationale du Génie Rural) Ejournal*
 Abstract review, 8th Interregional CIGR Conference on EnviroWater conference
 Abstract review, Council of Educators in Landscape Architecture 2006 conference
- 2004 Manuscript review, *Landscape Review*
 Abstract review, Council of Educators in Landscape Architecture 2005 conference
 Abstract review, Council of Educators in Landscape Architecture 2004 conference
 Abstract review, International Erosion Control Association 2004 conference
- 2003 Manuscript review, *Journal of Hydraulic Engineering*, American Society of Civil Engineers
 Abstract review, Council of Educators in Landscape Architecture 2003 conference

CONFERENCE MODERATOR

- 2004 Session C2: Culture-Sensitive Design: Case Studies of Recent Practice in China, American Society of Landscape Architects, October 30.
- 2004 Session 216: Shoreline, Streambank and Channel Erosion, American Society of Agricultural Engineers International Meeting, August 4.
- 2003 Concurrent Session 6, Council of Educators in Landscape Architecture, September 26.

COMMITTEE

International/National

- 2007 – present Co-chair, Design Implementation Track, Council of Educators in Landscape Architecture

2007 – present Member, Sustainability Track, Council of Educators in Landscape Architecture

2003 – present Soil and Water Committee (SW-22), American Society of Agricultural and Biological Engineers

2002 – 2006 **Board Member** (2005-2006), **President** (2004 - 2005), **Secretary/President Elect** (2003 - 2004), **Vice President** (2002 – 2003) Overseas Chinese Landscape Architects Association

1999 & 2003 Technical Advisory Panel, Research Management Committee 3, Texas Department of Transportation

Local Community

2008.4 **Technical Advisor** to the Green College Station Action Plan, City of College Station, Texas

University/College

2007 – 2008 **Member**, New Dean of College of Architecture Search Committee, Texas A&M University

2006 – present **Secondary Advisor**, Texas A&M University Student Chapter of American Water Resources Association

2006 **Member**, Architecture Ranch Committee

2006 – 2007 **Member**, Committee to Form a Department of Visualization

2005 – present **Member**, Publication Committee

Department

2007 – present BSURS Advisory Committee

2007 – present MUP Advisory Committee

2005 LAUP Strategic Plan-Communication

2005 LAUP Strategic Plan-Research and Scholarship

2003 – present MLA Admissions

2003 – present BLA/MLA Advisory Committee

2003 – 2004 Signature Faculty Search Committee

2003 – 2004 MLA, MUP and MSLD Curriculum Integration Research Committee

2003 BLA Accreditation

2003 BLA Curriculum Review Committee

PROFESSIONAL MEMBERSHIP

Member, American Society of Landscape Architects (Since 2005)

Member, American Society of Agricultural and Biological Engineers (2003 - 2008)

Member, Overseas Chinese Landscape Architects Association (Since 2002)

Member (2003 – 2005); **Student Member** (1999 – 2002), International Erosion Control Association