

## Evidence 5: Keynotes and invited talks by Jian-Hua YIN

**Invited Talk/ Keynote/ Public Lecture/ High-level Lecture, Plenary Presentation/ Civil Engineering Frontier Lecture/ Specially Invited Report/ Huang Wenxi Lecture  
(Total number: 158)**

### **2023:**

- (1) Yin, J-H, **Invited Visit and Talk:** “Nonlinear Rheological Models of Clayey Soils and Applications”, 18 July 2023, McGill University, Montreal, Quebec, Canada (invited and chaired by Prof Patrick Selvadurai, FRSA, FCAE).
- (2) Yin, J-H, **Invited Visit and Talk:** “Optical Fibre Sensing Technologies for Smart Monitoring of Civil and Geotechnical Structures: Principle, Innovations, and Applications”, AM of 17 July 2023, organised by Canadian Geotechnical Society - Western Quebec Section (student chapter), Montreal, Quebec, Canada.
- (3) Yin, J-H, **Invited Visit and Talk:** “Fully Coupled Numerical Methods and a Simple Method for Consolidation Analysis of Clayey Soils”, 17 July 2023, Canadian Geotechnical Society - Western Quebec Section, Montreal, Quebec, Canada.
- (4) Yin, J-H, **Invited Visit and Talk:** “Fully Coupled Numerical Methods and a Simple Method for Consolidation Analysis of Clayey Soils”, 12 July 2023, Canadian Geotechnical Society of Eastern Quebec, Québec City, Canada.
- (5) Yin, J-H, **Invited Visit and Talk:** “Nonlinear Rheological Models of Clayey Soils and Applications”, 3 July 2023, Western University, Ontario, Canada.
- (6) Yin, J-H, **Invited Visit and Talk:** “土木和岩土智能光纤传感技术之科学原理、创新及应用 Optical Fibre Sensing Technologies for Smart Monitoring of Civil and Geotechnical Structures: Principle, Innovations, and Applications”, 11 June 2023, 中科院武汉岩土力学研究所, Wuhan, China.
- (7) Yin, J-H, **Invited Visit and Talk:** “可持续填海方法和在香港东涌新市镇扩展工地原型试验 A Sustainable Approach to Marine Reclamations and a Field Trial at Tung Chung New Town Extension Site in Hong Kong”, 12 April 2023, 浙江工业大学, Hangzhou, China (invited by President and Professor Cai Yuan-Qiang).
- (8) Yin, J-H, **Invited Visit and Talk:** “土木和岩土智能光纤传感技术之科学原理、创新及应用 Optical Fibre Sensing Technologies for Smart Monitoring of Civil and Geotechnical Structures: Principles、Innovations、and Applications”, 9 April 2023, 浙江大学, Hangzhou, China (invited by Professor Chen Yun-Min, Chinese Academy of Sciences).
- (9) Yin, J-H, **Invited Visit and Talk:** “土木和岩土智能光纤传感技术之科学原理、创新及应用 Optical Fibre Sensing Technologies for Smart Monitoring of Civil and Geotechnical Structures: Principles、Innovations、and Applications”, 2 April 2023, 华东交通大学, Nanchang, China (invited by President and Professor Xu Chang-Jie).
- (10) Yin, J-H, **Invited Visit and Talk:** “粘性土的非线性流变模型及应用 Nonlinear Rheological Models of Clayey Soils and Applications”, 30 March 2023, 南昌大学, Nanchang, China (invited by President and Professor Zhou Chuan-Bing).
- (11) Yin, J-H, **Invited Visit and Talk:** “香港土钉加固斜坡和 柔性网拦阻泥石流大型物理模型试验研究 Large-Scale Physical Models for Studying Soil Nail Pullout Resistance and the Impact of Debris Flow on a Flexible Barrier”, 28 March 2023, 武汉大学, Wuhan, China (invited by Professor Zou Wei-Lie, Deputy Dean).
- (12) Yin, J-H, **Invited Visit and Talk:** “土木和岩土智能光纤传感技术之科学原理、创新及应用 Optical Fibre Sensing Technologies for Smart Monitoring of Civil and Geotechnical Structures: Principles, Innovations, and Applications”, 26 March 2023, 华中科技大学, Wuhan, China (invited by Professor Zheng Jun-Jie, Deputy Dean).

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- (13) Yin, J-H, **Invited Talk** for CEE Research Impact Exhibition cum Alumni Reunion Reception - CEE/CSE 50th Anniversary: “A Sustainable Approach to Marine Reclamations and a Field Trial in Hong Kong”, 18 March 2023, The Hong Kong Polytechnic University, Hong Kong, China.
- (14) Yin, J-H, **Invited Talk**: “Successful Marine Reclamation Projects and a Field Trial in Hong Kong”, 17 March 2023, at “PolyU - Our Hong Kong Foundation Limited” Meeting, Hong Kong, China.
- (15) Yin, J-H, **Invited Talk**: “A Sustainable Approach to Marine Reclamations and Other Advances in Geotechnical Engineering”, 17 January 2023, Task Force meeting at Central Government Offices, Hong Kong, China, invited by HK Government.

### **2022:**

- (1) Yin, J-H, **Invited Talk**: “Brief Introduction to Recent Achievements in Geotechnical Engineering from Consolidation Analysis to Fibre Optic Sensing Technologies”, 1 December 2022, Ove Arup & Partners Hong Kong Limited, Hong Kong, China.
- (2) Yin, J-H, **Keynote**: “从土的弹粘塑本构模型到软土固结分析的简单方法 (From Elastic Visco-Plastic Models of Soils to Simple Methods for Consolidation Analyses of Soft Soils)”, 29 October 2022, 第九届岩土本构理论高层论坛 (9<sup>th</sup> High-Level Constitutive Theory Forum), Hangzhou, China.
- (3) Yin, J-H, **Public Lecture**: “A Sustainable Approach for Marine Reclamations in Coastal Cities”, 19 October 2022, PolyU Research Institute for Land and Space (RILS) Public Lecture, Hong Kong, China.
- (4) Yin, J-H, **Specially Invited Talk** for: “Prediction and Analysis of Settlements of Two Control Embankments Using an Elastic Visco-Plastic Model”, 18 October 2022, International Symposium on Practical Applications of Ground Engineering for Embankments on Soft Soils, Subang Jaya, Selangor, Malaysia.
- (5) Yin, J-H, **Invited Visit and Talk**: “在任意多級加載下有/無排水板的多層黏性土固結沉降計算通用簡化方法 A General Simple Method for Calculating Consolidation Settlements of Layered Clayey Soils without/with PVDs under Any Staged Loading”, July 2022, 四川大学, Chengdu, China (by Prof Zhou Cheng).
- (6) Yin, J-H, **Invited Visit and Talk**: “香港土釘加固斜坡和柔性網攔阻泥石流大型物理模型試驗研究 Large-Scale Physical Models for Studying Soil Nail Pullout Resistance and the Impact of Debris Flow on a Flexible Barrier”, July 2022, 中国科学院成都山地灾害与环境研究所, Chengdu, China (by Prof SU Li-Jun, Deputy Director).
- (7) Yin, J-H, “杨华”大讲坛学术讲座” **“Yang Hua” High-level Lecture**: “粘性土的非线性流变模型及应用 Nonlinear Rheological Models of Clayey Soils and Applications”, 18 July 2022, 西南交通大学, Chengdu, China (by Prof . YL Xu).
- (8) Yin, J-H, **Keynote**: “Optical Fibre Sensing Technologies for Smart Monitoring of Civil and Geotechnical Structures: Principles, Innovations, and Applications”, 10 June 2022 International Symposium of Intelligent Geotechnics, Hong Kong, China organized by: CityU, HKU, and PolyU.
- (9) Yin, J-H, **Keynote (the first talk of the program)**: “A Sustainable Approach to Marine Reclamations Using Local Dredged Marine Soils and Wastes: Soft Soil Improvement, Physical Modelling Study, and Settlement Prediction-Control”, 13 May 2022, The HKIE Geotechnical Division 42nd Annual Seminar 2022, Hong Kong, China. Paper (DOI: <https://doi.org/10.21467/proceedings.133.1>) in Proceedings of The HKIE Geotechnical Division 42nd Annual Seminar: A New Era of Metropolis and Infrastructure Developments in Hong Kong, Challenges and Opportunities to Geotechnical Engineering (Online ISSN 2582-3922).

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- (10) Yin, J-H, **Public Lecture:** “A General Simple Method for Calculating Consolidation Settlements of Layered Clayey Soils without/with PVDs under Any Staged Loading”, 14 March 2022, webinar for The HKIE Geotechnical Division and Hong Kong Geotechnical Society, Hong Kong, China.

### **2021:**

- (1) Yin, J-H, **Keynote:** “香港理大研发的用于土木-交通-岩土工程的光纤技术：科学原理、创新和应用实例 PolyU Optical Fibre Sensing Technologies for Civil-Transportation-Geotechnical Engineering: Principles, Innovations, and Applications”, 11 December 2021, 面向未来的智能交通基础设施发展前沿, Xi'an, China.
- (2) Yin, J-H, **Public Lecture:** “計算黏土固結沉降的簡單方法和碩士-博士學位課程及岩土工程組簡介 A Simple Method for Calculating Consolidation Settlements of Clayey Soils and Introduction to MSc and PhD Programs and Geotechnical Unit”, 4 December 2021, 河海大学-香港理工大学线上交流会, China.
- (3) Yin, J-H, **Keynote:** “石砌挡土墙和大树在强风暴雨下倒塌预警的光纤实时监测 Real-time Monitoring of Stone Retaining Walls and Large Trees under Strong Winds and Rains with Warning of Failures using FBG Sensors”, 3 December 2021, 7th International Symposium on Opto-Electronic Sensor-Based Monitoring in Geo-engineering, Suzhou, China.
- (4) Yin, J-H, **Keynote:** “香港石砌挡土墙和大树的光纤自动监测技术和实例”, Automatic Monitoring of Old Stonewalls and Large Trees in Hong Kong Using PolyU Optical Fiber Sensing Technology and Real Cases”, 20 November 2021, International Workshop of Smart Infrastructure Development towards Smart City, Shantou and Hong Kong, China.
- (5) Yin, J-H, **Keynote Speech:** “流变黏性土固結沉降計算簡化方法和应用 A Simple Method for Calculating Consolidation Settlements of Viscous Clayey Soils and Applications”, 02 November 2021, 2021 年粤港澳大湾区地基处理创新技术交流会, Guangzhou, China.
- (6) Yin, J-H, **Public Lecture:** “A New General Simple Method for Calculating Consolidation Settlements of Layered Clayey Soils without/with PVDs under Any Staged Loading”, 5 February 2021, Webinar for Hong Kong Institution of Engineers – Geotechnical Division, Hong Kong, China.

### **2020:**

- (1) Yin, J-H, **Public Lecture:** “計算黏土固結沉降的簡單方法和碩士-博士學位課程及岩土工程組簡介 A Simple Method for Calculating Consolidation Settlements of Clayey Soils and Introduction to MSc and PhD Programs and Geotechnical Unit”, 15 September 2020, Online Lecture in Civil Engineering: Chair Professors Series in PolyU, Hong Kong, China.

### **2019:**

- (1) Yin, J-H, **Plenary Presentation:** “A Sustainable Approach for Marine Reclamations in Coastal Cities”, 2 December 2019, Joint CEDD - HKIE International Conference 2019 “Intelligent and Sustainable Development from Reclamation and Beyond”, Hong Kong, China.
- (2) Yin, J-H, **Plenary Presentation:** “Marine Reclamations in Hong Kong: Main Issues and a Sustainable Approach”, 9 November 2019, HKGES-GEO R&D Collaboration Forum, Hong Kong, China.

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- (3) Yin, J-H, **Keynote:** “新光纖傳感器研发和岩土结构監測應用 Innovative Optical Fiber Sensors and Their New Applications for Monitoring Geotechnical Structures”, 25 October 2019, 智慧基建與岩土工程技術創新研討會, Macau, China.
- (4) Yin, J-H, **Invited Visit and Talk:** “单层和多层蠕变粘性土固结沉降计算的新简化方法 A New Simplified Hypothesis B Method for Calculating Consolidation Settlements of Single and Multi-layered Clayey Soils”, 19 October 2019, Dalian University of Technology (大连理工大学), Dalian, China (by Prof Pei Hua-Fu).
- (5) Yin, J-H, **Keynote:** “粘性土的非线性流变模型及应用 Nonlinear Rheological Models of Clayey Soils and Applications”, 18 October 2019, The 2nd International Symposium on Marine Engineering Geology, Dalian, China.
- (6) Yin, J-H, **Invited Visit and Talk:** “Innovative Optical Fiber Sensors and Their New Applications for Monitoring Geotechnical Structures 新光纖傳感器研发和岩土结构監測應用”, 18 October 2019, 大连海事大学, Dalian, China.
- (7) Yin, J-H, **Invited Visit and Talk:** “A New Simplified Hypothesis B Method for Calculating Consolidation Settlements of Single and Multi-layered Clayey Soils”, 16 August 2019, University of Manitoba, Canada (by Prof Jim Graham and Dr Rob Kenyon, now President of Canadian Geotechnical Society 2023).
- (8) Yin, J-H, **Keynote:** “粘性土的非线性流变模型及应用 Nonlinear Rheological Models of Clayey Soils and Applications”, 2 July 2019, International Conference on Transportation Infrastructure and Materials (ICTIM2019), Jinan, China.
- (9) Yin, J-H, **Invited Visit and Talk:** “粘性土的非线性流变模型及应用 Nonlinear Rheological Models of Clayey Soils and Applications”, 2 July 2019, China University of Mining and Technology, Xuzhou, China (by Prof Zhao Guang-Si).
- (10) Yin, J-H, **Invited Talk:** “A Sustainable Approach for Marine Reclamations in Coastal Cities”, 22 June 2019, 3rd Annual Forum of UGI Consortium for Sustainable Urban Development, Hong Kong, China.
- (11) Yin, J-H, **Beijing University of Technology Civil Engineering Frontier Lecture:** “岩土仪器发明和应用：从双室三轴室，真三轴加载装置到最近的直接测量有效应力盒”，30 May 2019, 北京工业大学土木工程前沿讲座, Beijing, China (by Prof Zheng Hong).
- (12) Yin, J-H, **Invited Visit and Talk:** “粘性土的非线性流变模型及应用 Nonlinear Rheological Models of Clayey Soils and Applications”, 29 May 2019, 清华大学, Beijing, China (by Prof Song Er-Xiang).
- (13) Yin, J-H, **Invited Visit and Talk:** “单层和多层蠕变粘性土固结沉降计算的新简化方法 A New Simplified Hypothesis B Method for Calculating Consolidation Settlements of Single and Multi-layered Clayey Soils”, 27 May 2019, 湖南大学, Changsha, China (by Prof Chen Ren-Peng, Dean).
- (14) Yin, J-H, **特邀报告 Specially Invited Report:** “粘性土的非线性流变模型及应用 Elastic Visco-Plastic Modeling of the Stress-Strain Behavior of Soils and Applications”, 24 May 2019, 第一届土木工程计算与仿真技术学术会议, Wuhan, China.
- (15) Yin, J-H, **Plenary Presentation:** “Monitoring a Flexible Barrier under Impact of Rock Fall and Debris Flow in Large-scale Physical Model Tests Using both FBG Sensors and Conventional Sensors”, 26 April 2019, Translational Research Forum on Sustainable Urban Development in Greater Bay Area, Hong Kong, China.
- (16) Yin, J-H, **Invited Visit and Talk:** “单层和多层蠕变粘性土固结沉降计算的新简化方法 A New Simplified Hypothesis B Method for Calculating Consolidation Settlements of Single and Multi-layered Clayey Soils”, 9 April 2019, 武汉理工大学, Wuhan, China (by Prof Xu Dong-Sheng).

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- (17) Yin, J-H, **Keynote:** “監測岩土結構性能之光纖傳感技術的開發與應用 Development and Applications of Optical Fiber Sensing Technologies for Monitoring Performance of Geotechnical Structures”, 23-25 March 2019, The First China-France Symposium on Transportation Geotechnics, China.

### **2018:**

- (1) Yin, J-H, **Invited Visit and Talk:** “Development and Verification of a New Simplified Hypothesis B Method for Calculating Consolidation Settlements of Single and Multi-layered Clayey Soils”, 28 December 2018, IIT Indore, India (by Prof.B.K. Maheshwari).
- (2) Yin, J-H, **Keynote:** “Characterization and Prediction of Accumulated Permanent Strain of Granular Materials under Cyclic Loading”, 20 December 2018, The 16th Symposium on Earthquake Engineering, IIT Roorkee, India.
- (3) Yin, J-H, **Keynote:** “Development and Applications of Optical Fiber Sensing Technologies for Monitoring Performance of Geotechnical Structures 監測岩土結構性能之光纖傳感技術的開發與應用”, 26 November 2018, Sustainable Technology for Smart City Seminar, University of Macau, Macau, China.
- (4) Yin, J-H, **Keynote:** “計算蠕變粘性土固結沉降的新簡化 B 方法和验证 A New Simplified Hypothesis B Method and Its Verification for Calculating Consolidation Settlements of Clayey Soils Exhibiting Creep”, 24 November 2018, Symposium on Basic Soil Properties and Engineering Applications, Macau, China.
- (5) Yin, J-H, **Invited Visit and Talk:** “香港土釘加固斜坡和柔性網攔阻泥石流大型物理模型試驗研究 Large-Scale Physical Models for Studying Soil Nail Pullout Resistance and the Impact of Debris Flow on a Flexible Barrier”, 14 November 2018, 中南大學, Changsha, China (by Prof Qiao Si-Fan, Deputy Dean).
- (6) Yin, J-H, **Plenary Presentation:** “Development and Verification of a New Simplified Hypothesis B Method for Calculating Consolidation Settlements of Single and Multi-layered Clayey Soils”, 26-28 October 2018, 8<sup>th</sup> International Symposium on Environmental Vibration and Transportation Geodynamic & 2<sup>nd</sup> Young Transportation Geotechnics Engineers (YTGE) Meeting, Changsha, China.
- (7) Yin, J-H, **Invited Talk:** “Applications of New Optical Fiber Sensing Technologies for Monitoring Performance of Geotechnical Structures”. 30 June 2018, invited by Dr Farbod Saadat, Ph.D., P.Eng. Senior Geotechnical Project Manager, Associate, DST CONSULTING ENGINEERS INC., Mississauga ON, Canada.
- (8) Yin, J-H, **Invited Visit and Talk:** “單層和多層蠕變粘性土固結沉降計算的新簡化方法 A New Simplified Hypothesis B Method and Its Verification for Calculating Consolidation Settlements of Single and Multi-layered Clayey Soils Exhibiting Creep”, 29 May 2018, 上海大學, Shanghai, China (invited by Prof Yao Wen-Juan).
- (9) Yin, J-H, **Plenary Presentation:** “Test Study of Pullout Resistance of Soil Nails in Compacted Completely Decomposed Granite Fill”, 27 May 2018, GeoShanghai 2018 International Conference, Shanghai, China.
- (10) Yin, J-H, **Invited Visit and Talk:** “單層和多層蠕變粘性土固結沉降計算的新簡化方法 A New Simplified Hypothesis B Method and Its Verification for Calculating Consolidation Settlements of Single and Multi-layered Clayey Soils Exhibiting Creep”, 2 February 2018, 天津大學, Tianjin, China (by Prof Zhu Jian-Bo).

### **2017:**

- (1) Yin, J-H, **Invited Visit and Keynote:** “香港釘加固斜坡和柔性網攔阻泥石流大型物理模型試驗研究 Large-Scale Physical Models for Studying Soil Nail Pullout Resistance and the Impact of Debris Flow on a Flexible Barrier”, 23 December 2017, 重

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- 庆港航学会 2017 年年会暨学术交流会, Keynote for 2017 Annual Meeting of Chong Qing Port Engineering Society, Chongqing, China.
- (2) Yin, J-H, **Plenary Presentation:** “真三轴试验装置及其它特殊土工试验仪器的研发”, 9-10 November, 2017, 2017 年岩土工程西湖论坛 (Xi-Hu Forum of Geotechnical Engineering), Hangzhou, China.
  - (3) Yin, J-H, **Keynote:** “Monitoring a Flexible Barrier under Impact of Rock Fall and Debris Flow in Large-scale Physical Model Tests Using both FBG Sensors and Conventional Sensors”, 3-5 November, 2017, 6<sup>th</sup> International Forum on Opto-electronic Sensor-based Monitoring in Geo-engineering, Nanjing, China.
  - (4) Yin, J-H, **Keynote:** “A New Simplified Hypothesis B Method and Its Verification for Calculating Consolidation Settlements of Single and Multi-layered Clayey Soils Exhibiting Creep”, 21 October, 2017, The 15<sup>th</sup> International Conference of the International Association for Computer Methods and Advances in Geomechanics, Wuhan, China.
  - (5) Yin, J-H, **Plenary Presentation:** “Validation of a New Simplified Hypothesis B Method for Calculating Consolidation Settlement of Clayey Soils Exhibiting Creep”, 14-15 September, 2017, SEAGS 50th Anniversary Symposium, Thailand.
  - (6) Yin, J-H, **Invited Talk:** “Large-Scale Physical Models for Studying Soil Nail Pullout Resistance and the Impact of Debris Flow on a Flexible Barrier on”, 12 August 2017, The University of Hong Kong, Hong Kong, China.
  - (7) Yin, J-H, **Invited Visit and Talk:** “計算蠕變粘性土固結沉降的新簡化 B 方法和验证 Validation of a New Simplified Hypothesis B Method for Calculating Consolidation Settlement of Clayey Soils Exhibiting Creep”, 26 May 2017, 同济大学, Shanghai, China (by Prof Zhu He-Hua, Tongji U, Chief Editor of Underground Space, and Academician of Chinese Academy of Engineering).
  - (8) Yin, J-H, **Invited Talk:** “Automatic Long-Term Monitoring the Performance of Rock Caverns Using New Optical Fiber Sensing Technologies”, 12 April 2017, FCE-GEO Meeting, Hong Kong, China.

### **2016:**

- (1) Yin, J-H, **Plenary Presentation:** “饱和粘性土的弹粘塑性模型 Elastic Visco-plastic Modeling of the Time-dependent Stress-strain Behavior of Soils”, 9 October 2016, 2016 年城市岩土工程西湖论坛(Xi-Hu Forum of Geotechnical Engineering), Hangzhou, China.
- (2) Yin, J-H, **Invited Talk:** “Applications of New Optical Fiber Sensing Technologies for Monitoring Performance of Geotechnical Structures”, 11 August 2016, University of Technology Sydney Dean's Seminar, Sydney, Australia.
- (3) Yin, J-H, **Invited Talk:** “Applications of New Optical Fiber Sensing Technologies for Monitoring Performance of Geotechnical Structures”, 5 July 2016, SNC-Lavalin, Toronto, Canada.
- (4) Yin, J-H, **Invited Visit and Talk:** “特制光纤传感器研发和岩土结构监测应用 Development of Special Optical Fiber Sensors and Applications to Monitoring Geotechnical Structure”, 17 June 2016, 太原理工大学, Taiyuan, China (by Prof Hao Yuan-Bin).
- (5) Yin, J-H, **Invited Visit and Talk:** “用于一层和二层流变粘土固结沉降计算的新假设 B 简化方法及验证 A New Simplified Hypothesis B Method and Its Verification for Calculating Consolidation Settlements of One and Two Layered Clayey Soils with Creep”, 6 June 2016, 北京工业大学, Beijing, China (by Prof Zheng Hong).

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- (6) Yin, J-H, **Plenary Presentation:** “計算蠕變粘性土固結沉降的新簡化 B 方法 A New Simplified Hypothesis B Method for Calculating Consolidation Settlement of Clayey Soils Exhibiting Creep”, 3 June 2016, HKIE-GD 36th Annual Seminar, Hong Kong, China.

### **2015:**

- (1) Yin, J-H, **Plenary Presentation:** “Investigation of Soil Nail Resistance in a Slope Using a Large-size Pullout Box and Study of Debris Flow Impact on Flexible Barrier Using a Large-scale Physical Model”, International Conference on Landslide and Debris Flow Disasters Date: November 27, 2015 (Friday), Venue: Room 204, 1st Exhibition Hall, KINTEX, Korea.
- (2) Yin, J-H, **Keynote:** “Review of Elastic Visco-plastic Modeling of The Time-dependent Stress-strain Behavior of Soils and Its Extensions”, 2015, 第 2 次岩土本构关系高层论坛 (2<sup>nd</sup> High-Level Constitutive Theory Forum), Hunan, China.
- (3) Yin, J-H, **Invited Visit and Talk:** “新的蠕变粘性土固结沉降简化计算方法及其验证 A New Simplified Method and Its Verification for Calculation of Consolidation Settlement of a Clayey Soil with Creep”, 27 October 2015, 北京航空航天大学, Beijing, China (by Prof Yap Yang-Ping).
- (4) Yin, J-H, **Plenary Presentation:** “Test Study and Consolidation Analysis of Soft Soils Improved by Vertical Drains and Deep Cement Mixed Soil Columns”, 30 August 2015, The 6<sup>th</sup> Japan-Chine Geotechnical Symposium in Sapporo, Japan.
- (5) Yin, J-H, **Invited Visit and Talk:** “本构模型及土工试验和光纤监测技术研究 Constitutive modeling and development of laboratory testing and optical fiber sensor monitoring technologies”, 23 July 2015, 中国石油大学(华东), Qingdao, China (by Prof Zhang Yan-Mei).
- (6) Yin, J-H, **Invited Visit and Talk:** “光栅和全分布光纤传感器在室内和现场岩土试验中的应用 Geotechnical Applications of FBG and BOTDA Sensors in Lab and Field Tests”, 16 March 2015, 重庆大学, Chong Qing, China (by Prof Xiao Yang).

### **2014:**

- (1) Yin, J-H, **Keynote:** “Physical Model Test Study of Soft Soils Improved by Deep Cement Mixed Soil Columns and Vertical Drains with Preloading”, 21-23 Oct, 2014, South East Asia Conference on “Soft Soils Engineering and Ground Improvement”, Bandung, Indonesia.
- (2) Yin, J-H, **Keynote:** “Application of BOTDA in Performance Monitoring of GFRP Soil Nails”, 13-14 October 2014, 5<sup>th</sup> International Forum on Opto-electronic Sensor-based Monitoring in Geo-engineering, Nanjing, China.
- (3) Yin, J-H, **Plenary Presentation:** “Monitoring and Performance of GFRP Soil Nails in the Field”, 6 September 2014, FRP for New Construction: Opportunities for Hong Kong-Half-day Seminar, Hong Kong, China.
- (4) Yin, J-H, **Invited Talk:** “Elastic Visco-Plastic Modeling of the Stress-Strain Behavior of Soils and Applications”, 16 July 2014, PolyU Chair Professor Inaugural Lecture, Hong Kong, China.
- (5) Yin, J-H, **Plenary Presentation:** “Geotechnical Applications of FBG and BOTDA Sensors in Lab and Field Tests”, 30 June-1 July 2014, Cambridge Conference on Fibre Optic Sensing in Civil Infrastructure, University of Cambridge, Cambridge, UK.
- (6) Yin, J-H, **Plenary Presentation:** “Applications of New Optical Fiber Sensing Technologies for Monitoring Performance of Geotechnical Structures”, 27 April 2013, ICE-HKA G&S One-day Seminar, Hong Kong, China.

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### 2013:

- (1) Yin, J-H, **Invited Visit and Talk:** “土的强度的若干问题”, 25 November 2013, 华中科技大学, Wuhan, China (by Prof Zheng Jun-Jie).
- (2) Yin, J-H, **Invited Talk:** “香港深基坑经验与网络和动画基坑支护设计评价”, 13 July 2013, 网络、动画、天威项目基坑安全质量论证会议, Hong Kong, China.
- (3) Yin, J-H, **Plenary Presentation:** “Elastic Visco-Plastic Modeling of the Stress-Strain Behavior of Soils with both Creep and Swelling”, 27 May 2013, The International Conference on Computational and Experimental Engineering and Sciences (ICCES), Seattle, USA.
- (4) Yin, J-H, **Plenary Presentation:** “Applications of New Optical Fiber Sensing Technologies for Monitoring Performance of Geotechnical Structures”, 27 April 2013, ICE-HKA G&S One-day Seminar, Hong Kong, China.
- (5) Yin, J-H, **Plenary Presentation:** “Analysis of Settlements of Marine Reclamations on Soft Soils with Nonlinear Creep”, 28 February 2013, Joint ICE-ASCE (HK Section) Conference, Hong Kong, China.

### 2012:

- (1) Yin, J-H, **Keynote:** “土的弹塑性和弹黏塑性本构模型的关系和最新研究成果及发展方向”, 7-8 December 2012, 南方岩土战略论坛, Guangzhou, China.
- (2) Yin, J-H, **Keynote:** “流变软土固结沉降计算方法与进展”, 9-12 November 2012, 第七届全国基坑工程研讨会, Shenzhen, China.
- (3) Yin, J-H, **Plenary Presentation:** “Analysis of the Settlement of Soils with Nonlinear Creep in One-dimensional Straining 一维应变下非线性流变软土的沉降计算”, 30 October–2 November 2012, International Conference on Ground Improvement and Ground Control, University of Wollongong, Australia.
- (4) Yin, J-H, **Keynote:** “Review of Elastic Visco-plastic Modeling of The Time-dependent Stress-strain Behavior of Soils and Its Extensions”, 15-16 October 2012, Workshop on Time-dependent Stress-Strain Behaviour of Geomaterials, Beijing, China.
- (5) Yin, J-H, **Plenary Presentation:** “Elastic Visco-Plastic Modeling of the Stress-Strain Behavior of Soils with both Creep and Swelling”, 4 September 2012, The 3<sup>rd</sup> International Workshop on Modern Trends in Geomechanics, Nottingham, UK.
- (6) Yin, J-H, **Plenary Presentation:** “Constitutive Modeling of the Time-dependent Stress-Strain Behavior of Soils and Applications”, 21 June 2012, International Symposium on Sustainable Geosynthetics and Green Technology for Climate Change (Retirement Symposium for Prof DT Bergado), Bangkok, Thailand.
- (7) Yin, J-H, **Invited Visit and Talk:** “Development and Applications of New Optical Fiber Sensing Technologies for Monitoring Performance of Geotechnical Structures”, 5 June 2012, University of Western Ontario, Ontario, Canada (by Prof Julie Shang).
- (8) Yin, J-H, **Invited Visit and Talk:** “Stabilization of Slopes in Hong Kong Design Issues, Research, and Monitoring”, 1 June 2012, Ryerson University, Ontario, Canada (by Prof Jin-Yuan Liu).

### 2011:

- (1) Yin, J-H, **Keynote:** “計算軟土填海地壓密(固結)及潛變(蠕變)之方法 Methods for Calculating Consolidation and Creep Settlements of Reclamations on Soft Soil Ground”, 28 October 2011, 新城填海地基技術研討會, Macau, China.

## Evidence 5: Keynotes and invited talks by Jian-Hua YIN

- (2) Yin, J-H, **Invited Visit and Talk:** “The Time-dependent Stress-Strain Behaviour of Soft Soils”, 27 October 2011, University of Macau, Macau, China (by Prof Hannah Zhou).
- (3) Yin, J-H, **Invited Talk:** “香港機場第三跑道填海造地工程方法探討 Reclamation Methods for a Third Runway at Hong Kong International Airport”, 13 August 2011, Forum on "Hong Kong International Airport - Master Plan 2030", Hong Kong, China.
- (4) Yin, J-H, **Invited Talk:** “Development and Applications of New Optical Fiber Sensing Technologies for Monitoring Performance of Civil Works”, 2 August 2011, Highways Department, Hong Kong, China.
- (5) Yin, J-H, **Huang Wenxi Lecture (the highest level lecture in geotechnical engineering in China)** 黄文熙讲座: “从本构模型研究到试验和光纤监测技术研发 From constitutive modeling to development of laboratory testing and optical fiber sensor monitoring technologies”, 9 April 2011, 南京水利科学研究所, Nanjing, China.
- (6) Yin, J-H, **Invited Talk:** “Applications of New Optical Fiber Sensing Technologies for Monitoring Performance of Geotechnical Structures”, 19 Jan 2011, HKCA – FCLU Meeting, Hong Kong, China.

### **2010:**

- (1) Yin, J-H, **Plenary Presentation:** “Current Research on Optical Fibre Sensor Technologies Based on FBG and BOTDA at The Hong Kong Polytechnic University (CSE)”, 11 December 2010, HKIE-GD Seminar, Hong Kong, China.
- (2) Yin, J-H, **Keynote:** “Monitoring Geotechnical Structures Using Optical Fibre Sensors”, 12-14 October 2010, 3<sup>th</sup> International Forum on Opto-electronic Sensor-based Monitoring in Geo-engineering, Nanjing, China.
- (3) Yin, J-H, **Keynote:** “议题：工程地质学与其它学科的联合和交叉”, 28 September 2010, 第二届工程地质高层论坛 (the 2<sup>nd</sup> High-level Forum in Geological Engineering), Suzhou, China.
- (4) Yin, J-H, **Invited Talk:** “两种光纤传感技术及其在地铁和岩土结构监测预警中的应用”, 21 August 2010, Chengdu High-Speed-Rail (HSR) Forum, Chengdu, China.
- (5) Yin, J-H, **Invited Talk:** “The Time-dependent Stress-Strain Behaviour of Soft Soils”, 10 June 2010, The University of Sydney, Sydney, Australia.
- (6) Yin, J-H, **Invited Talk:** “Advanced and Specialized Laboratory Facilities for Geotechnical Research and Applications”, 3 June 2010, University of Wollongong, Wollongong, Australia (by Prof Buddhima Indraratna).
- (7) Yin, J-H, **Invited Talk:** “Instrumentation of Existing Subway Tunnels and Geotechnical Structures Using Two Optical Fibre Sensor Technologies”, June 2010, MTR Seminar, MTR Australia, Australia.
- (8) Yin, J-H, **Invited Talk:** “上海地铁沉降监测汇报及其它工作介绍”, 14 May 2010, Shanghai Tunnel, Shanghai, China.

### **2009:**

- (1) Yin, J-H, **Invited Visit and Talk:** “特制光纤传感器及地铁和岩土结构的监测预警”, 20 October 2009, Sichuan University, Chengdu, China (invited by Professor Deng Jian-Hui).
- (2) Yin, J-H, **Plenary Presentation and Panellist:** “Development and Applications of Special Optical Fiber Sensors for Monitoring Soil Nails, Piles, and Ground Movements”, 13-16 July 2009, Piling and Deep Foundations Asia | 樁材及深樁基礎峰會, Hong Kong, China.

## Evidence 5: Keynotes and invited talks by Jian-Hua YIN

- (3) Yin, J-H, **Invited Visit and Talk:** “全分布式光纤监测技术及其在土石坝等方面的应用”, 15 June 2009, Sichuan University, Chengdu, China (invited by Professor Zhang Lin, Deputy Dean).
- (4) Yin, J-H, **Invited Talk:** “Introduction of Quasi-distributed Fiber Bragg Grating (FBG) Sensors and Fully Distributed Sensing Technology (BOTDA) for Monitoring Geotechnical Structures.” Technical Meeting on “New Developments in Slope Stability Analysis and Monitoring”, 12 Nov 2009; 6:00pm–7:30pm; HKIE headquarter, Hong Kong.

### **2008:**

- (1) Yin, J-H, **Invited Visit and Talk:** “岩土工程设计施工中的问题和光纤传感器的开发与应用”, 27 December 2008, 四川地震灾后重建专业课程, Chengdu, China (by Professor Xie He-ping, President of Sichuan University).
- (2) Yin, J-H, **Keynote:** “描述软土时间有关应力-应变关系的弹粘塑性模型 Elastic Visco-Plastic Models for the Time-Dependent Stress-Strain Behaviour of Geomaterials”, 06 November 2008, 全国岩土本构理论研讨会(National Constitutive Theory Forum), 北京航空航天大学, Beijing, China.
- (3) Yin, J-H, **Invited Visit and Talk:** “刚性滑板加柔性面的真三轴加载装置及岩土材料的真三轴试验结果”, October 2008, Institute of Rock and Soil Mechanics, the Chinese Academy of Sciences, Wuhan, China (by Professor Kong Lin-Wei, Deputy Director).
- (4) Yin, J-H, **Invited Visit and Talk:** “岩土边坡和土石坝监测预警新技术的开发与应用 New Technologies for Monitoring Slopes and Dams”, August 2008, Tongji University, Shanghai, China (by Professor Huang Hong-Wei).
- (5) Yin, J-H, **Keynote:** “The Time-dependent Stress-Strain Behaviour of Soft Soils”, 29 July 2008, Recent Development of Advanced Laboratory Testing of Geomaterials”, organized by TC29 of TC29 of Inte'l Society of Soil Mech and Geot Eng (ISSMGE), Japan.
- (6) Yin, J-H, **Plenary Presentation:** “岩土与结构工程监测预警新技术的开发与应用 New Technologies and Applications for Geotechnical and Structural Monitoring and Warning”, of the International Forum on Geoline Projects, and Geological Safety in Coastal Cities 2008 Guangzhou, China.
- (7) Yin, J-H, **Plenary Presentation:** “Monitoring of soil nailed slopes and dams using innovative technologies”, 10th International Symposium on Landslides and Engineered Slopes, June 30 – July 4, 2008 Xi'an, China.

### **2007:**

- (1) Yin, J-H, **Keynote:** “Advanced and specialized laboratory facilities for soil testing – the state of the art”. The 3rd Sino-Japan Geotechnical Symposium, 5-6 November, 2007, Chongqing, China. Paper in a book entitled “New Frontiers in Chinese and Japanese Geotechniques” (YP Yao, H. Akagi, G. Zhang, Editors), published by China Communications Press, pp. 21-29.
- (2) Yin, J-H, **Keynote:** “Laboratory Facilities for Measuring the Stress-Strain-Strength Behavior of Soils – the State of The Art”, paper in proceedings of the Fourth Cross-Strait Conference on Structural and Geotechnical Engineering, Hangzhou, China, 24-26 April 2007, by Dong Shiling (Chief-editor), published by Zhejiang University Press, pp.187-201.

### **2006:**

## Evidence 5: Keynotes and invited talks by Jian-Hua YIN

- (1) Yin, J-H, **Invited Talk:** “岩土力学发展动态及香港地区岩土工程实践 Geotechnical Research and Applications in Hong Kong”, morning 28 Nov 2006, 长江科学院 Yangtze River Scientific Research Institute, Wuhan, China.
- (2) Yin, J-H, **Keynote:** “岩土力学发展动态及香港地区岩土工程实践 Geotechnical Research and Applications in Hong Kong”, afternoon 28 Nov 2006, Wuhan University, China (after appointed the Adjunct Chair Professor).
- (3) Yin, J-H, **Keynote:** “岩土边坡和土石坝监测预警新技术的开发与应用 New Technologies for Monitoring Slopes and Dams”, 29 Nov 2006, at 水利水电土石坝工程信息网计术交流会, Wuhan, China.
- (4) Yin, J-H, **Plenary Presentation:** “土工程力学性质的试验和本构模型研究进展 Developments in Lab Testing and Constitutive Modeling of Soils”, 17 July 2006, at 第一届岩土力学与工程前沿论坛, Wuhan, China.
- (5) Yin, J-H, **Invited Talk:** “岩土力学发展动态及香港地区岩土工程实践 Geotechnical Research and Applications in Hong Kong”, morning 16 July 2006, 大连市大连理工大学土木水利学院岩土工程研究所, China.
- (6) Yin, J-H, **Plenary Presentation:** “Laboratory Pullout Boxes for Soil Nail Pullout Shear Resistance Studies and Selected Test Results”, at Geotechnical Consultative Forum of GEO, Hong Kong, 24 March 2006.
- (7) Yin, Jian-Hua Yin, KT Chau, and Dr Robina Wong (2006), **Plenary Presentation:** “Advanced and Specialized Laboratory Facilities for Geotechnical Research and Applications”. Paper in proceedings of “One-day International Symposium on Advances in Laboratory Testing of Geomaterials, 3 June 2006 (Saturday), Hong Kong, China, HKGES, HKIE-GC, and PolyU (editors), pp.249-283.
- (8) Chen, Z.Y., J. H. Yin and Y. J. Wang (2006), **Keynote Paper.** The Three-Dimensional Slope Stability Analysis: Recent Advances and a Forward Look. In ASCE Geotechnical Special Publication No.151 - "Advances in Earth Structures: Research to Practice" (Editors: Han, Jie, J-H. Yin, David J. White, and Guoming Lin) by ASCE.

### **2005: (part)**

- (1) Yin, JH, (2005) **Keynote:** Elastic visco-plastic models for the time-dependent stress-strain behaviour of soils. In proceedings of “Recent Developments of Geotechnical Engineering in Soft Ground”, MS Huang, H Akagi, XF Ma (editors), Tongji University Press, CISMGE-JGS Shanghai, October 2005, pp.34-42 (Keynote Speech).
- (2) Yin, JH, LJ, Su and LM Chu (2005) **Plenary Presentation:** Laboratory pullout boxes for soil nail pullout shear resistance studies. In proceedings of “Safe and Green Slopes” of 25th Annual Seminar of The HKIE Geotechnical Division held on 4 May 2005, pp.295-304 (HKIE-Geotechnical Division and HKGES).

### **2004:**

- (1) Yin, J-H, **Keynote Lecture:** “Testing, Modelling and GPS Monitoring of Hong Kong Slopes”, Indian Geotechnical Conference – 2004, 17-19 December 2004, by Indian Geotechnical Society, in Warangal, India.
- (2) Yin, J-H, **Invited Speech:** “Advanced or special soil testing systems and the properties and behavior of Hong Kong marine soils”. Symposium on Hong Kong Soils and Rocks. Organizer: Centre for Research & Professional Development and Co-organizers: The Institute of Materials, Minerals and Mining -HK Branch and H K Regional Group of the Geological Society of London, 27 March 2004.

## Evidence 5: Keynotes and invited talks by Jian-Hua YIN

- (3) Yin, J-H, **Plenary Presentation:** “Properties and Behaviour of Cement Mixed Hong Kong Marine”, One-Day Seminar on Ground Treatment, Hong Kong, 17 April 2004, organized by HKIE-GDC and HK Geotechnical Society.
- (4) Yin, J-H, **Plenary Presentation:** “Ground Improvement Using Deep Cement Mixing (DCM) – Recent Research and Design Method Introduction”, R&D Forum, Hong Kong, 17 March 2004, organized by HKIE-GDC.
- (5) Yin, J-H, **Keynote:** “Geotechnical Monitoring and Measurement – Recent Developments and Applications”, 2004 Yan-Hai Engineering Measurement Field Conference, 9-17 December 2004, Shen-Zhen, China.
- (6) Yin, J-H **“Visiting Scholarship Scheme of The K.C. Wong Education Foundation”** sponsored **4 talks** delivered in Tianjin University, Tsinghua University, Beijing Jiatong University, China Institute of Water Resources and Hydropower Research (IWHR) and Institute of Rock and Soil Engineering of Chinese Academy of Sciences: (a) Hong Kong Reclamations – History and Trend , Challenges and Opportunities, (b) Geotechnical Engineering - Development, Study Methods, Experience Summary and Personal Experiences, (c) Properties of Soft Soils, Constitutive Modelling and Consolidation Analysis, and (d) Landslide Hazards and Automatic Slope Monitoring Using GPS and Conventional Instruments. 17-18 July 2004.

### **2003:**

- (1) Yin, J-H, **Plenary Presentation:** “Reclamation in Hong Kong”, 12th Asian Regional Conf on Soil Mech and Geot Engineering, 4-8 August 2003, Singapore.
- (2) Yin, J-H, **Plenary Presentation:** “An elastic visco-plastic model for clayey soils”, 1st World Forum of Chinese Scholars in Geotechnical Engineering (GEO-WCS 2003), Tongji University, Shanghai, 20-22 August 2003, pp.94-102.
- (3) Yin, J-H, **Invited Talk:** “Research Developments in Geotechnical Engineering – Slope Monitoring and Elastic Visco-Plastic Modeling”, The University of British Columbia, Vancouver, Canada, 10 Oct 2003.
- (4) Yin, J-H, **Plenary Presentation:** “Remote Monitoring of Slopes Using a Combination of Advanced Conventional Instruments and Accurate Global Positioning System”, Consultative Forum, Geotechnical Engineering Office, HKSARG, 27 June 2003
- (5) Yin, J-H, **Plenary Presentation:** “R&D Projects in Geotechnical Engineering in PolyU”, 1st World Forum of Chinese Scholars in Geotechnical Engineering (GEO-WCS 2003), Tongji University, Shanghai, 20-22 August 2003
- (6) Yin, J-H, **Invited Talk:** “Research and Development in Geotechnical Engineering”, Gammon Construction Limited, 17 September 2003.
- (7) Yin, J-H, **Invited Talk:** “3-D Soil/Rock Slope Stability Analysis and Landslide Monitoring-Warning New Technique (三維岩土邊坡穩定分析和岩土邊坡滑動監測預警新技術)”, Chongqing Jiaotong University, China, 11 April 2003.
- (8) Yin, J-H, **Invited Talk:** “Laboratory Testing Study, Constitutive Model Development and Applications (土力學試驗研究和本構模型發展及應用)”. Chongqing Jiaotong University, China, 12 April 2003.

### **Before 2002:**

- (1) Yin, J-H, **Keynote speech** entitled “Settlements – Causes and Controversial Issues” at 4th Young Geotechnical Engineers Conf. May, Wuhan, Hubei, China.
- (2) Yin, J-H, **Keynote speech** entitled “Models for geosynthetics-reinforced foundation soils” at 5th China National Conf. on Geosynthetics and Engineering, 1-6/Nov/2000, Three Gorges Site, Yi-Chang, Hubei, China, pp.8-18.

### Evidence 5: Keynotes and invited talks by Jian-Hua YIN

- (3) Yin, J-H, Session Chairman of “Civil Engineering in the 21<sup>st</sup> Century” – International Conf. On Engineering and Technological Sciences 2000, Beijing, China 11-14/Oct/2000.
- (4) Yin, J-H, **Invited Speech** entitled “improvement of Hong Kong marine deposits and waste sludge”, at Pre-Conference Symposium on Ground Improvement and Geosynthetics, organized by Asian Institute of Technology, Thailand, 5/Nov./1999.
- (5) Yin, J-H, Session Chairman of 13<sup>th</sup> Southeast Asian Geotechnical Conference, 16-20, Nov. 1998, Taipei.
- (6) Yin, J-H, Session Chairman of ISSTAD’98, 9-11, Sept., 1998, Xi’an, China.
- (7) Yin, J-H, **Keynote**: “Study on issues related to slope stability: rockfall, debris flow, soil nail stabilisation and numerical modelling”, at Engineering and Technology Conference 98’ of Three Gorges Project. 14-17, Nov. 1998, Yi-Chang, Hubei, China.
- (8) Yin, J-H, Session Chairman (two sessions) of 6<sup>th</sup> China National Conference on Numerical and Analytic Methods in Geomechanics, 14-16, July, 1998, Guang-Zhou, China.
- (9) Yin, J-H, **Keynote Speech** entitled “Elastic visco-plastic models and consolidation analysis”, at 6<sup>th</sup> China National Conference on Numerical and Analytic Methods in Geomechanics, 14-16, July, 1998, Guang-Zhou, China.
- (10) Yin, J-H, Session Chairman in 9th Int’l Conf. Int’l Asso. for Numerical Methods and Advances in Geomechanics, Nov.2-7, 1997, Wuhan, China.
- (11) Yin, J-H, Session Chairman of 2nd Int’l Conf. on Structures and Foundations in Civil Engineering, Hong Kong, Jan.7-10, 1997.
- (12) Yin, J-H, Session Chairman of Int’l Conf. on Urban Eng. in Asia Cities, Bangkok, Thailand, Nov.-20-23, 1996.
- (13) Yin, J-H, Session Chairman of 4th Canadian Marine Geotechnical Conference, St.John’s, Newfoundland, Canada, June 27-30, 1993.
- (14) Yin, J-H, **Plenary Presentation**: “Advanced soil laboratory testing systems”. In Proceedings of “International Seminar on Practice and Advance in Geotechnical Engineering December 7 – 8, 2002, Tongji University, Shanghai, China, ZHU H-H, Chai, J-C. and Huang M-S. (editors), pp.41-48.
- (15) Yin, J-H, **Plenary Presentation**: HKIE Presentation entitled “Settlements”, 2000.
- (16) Yin, J-H, **Plenary Presentation**: HKIE Presentation entitled “Soft Soil Engineering – Recent Research Development and Soil Improvement Techniques”, Feb. 1999 (jointly with Professor D.H. Chan The University of Alberta, Canada).
- (17) Yin, J-H, **Plenary Presentation**: HKIE Presentation entitled “Predicted and Measured Performance for Geotechnical Structures”, Sept. 1995.