

## 1. Personal Data and Current Position

NAME: **Jian-Hua YIN**  
CURRENT POSITION : Chair Professor  
PROFESSION: Civil/Geotechnical Engineering  
BUSINESS ADDRESS : Department of Civil and Structural Engineering  
The Hong Kong Polytechnic University (PolyU), Hong Kong  
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<https://www.polyu.edu.hk/cee/~cejhyin>

## 2. Education

Ph.D. Geotechnical Engineering 1990  
(GPA=4 for all five courses taken (3A<sup>+</sup>s and 2As) and awarded “U. of M. Grad. Studies Fellowship”, The University of Manitoba, Winnipeg, Canada (9/1986 – 5/1990) (see [Evidence 1: P1 & P2](#))

M.Sc. Geotechnical Engineering 1984  
The Institute of Rock and Soil Mechanics,  
The Chinese Academy of Sciences, China (2/1982-12/1984) (MSc courses taken in the China University of Science and Technology) (see [Evidence 1: P3](#))

B.Eng. Civil Engineering 1983  
Chongqing Jiaotong Institute and Chongqing  
Institute of Architecture and Engineering (now Chongqing University), China (2/1978-2/1982) (note: the first batch of students admitted after the Culture Revolution in China in 1977–Grade 77 and BEng awarded 2 years later due to recovering the education system in China after the Culture Revolution) (see [Evidence 1: P4 and P5](#)).

## 3. Professional and Academic Experience

**1/July/2013** - present Chair Professor of Soil Mechanics, former Head of Soil Mechanics Laboratory and Geotechnical Unit Leader, Department of Civil and Environmental Engineering (CEE), The Hong Kong Polytechnic University (PolyU)

2002-2013 Professor, CEE, PolyU; Head of *Soil Mechanics Laboratory*. Director of *Centre for Ground Engineering and Technology*; Leader of Programme (31033) of Bachelor of Engineering (Honours) in Civil and Structural Engineering (for 5 years).

1999-2002 Associate Professor, CEE, PolyU; Head of *Soil Mechanics Laboratory*; Director of *Centre for Ground Engineering and Technology* (RGC CRC project).

- 1995-1999      Assistant Professor, CEE, PolyU, Academic-in-Charge of Soil Mechanics Laboratory.
- 1994-1995      Geotechnical Consulting Engineer, Binnie Consultants Limited, Hong Kong.
- 1992-1994      Research Engineer, the Centre for Cold Ocean Resources Engineering (C-CORE), Memorial University of Newfoundland, St. John's, Newfoundland, Canada (PEng in Newfoundland in 11/1993, see [Evidence 1: P6](#)).
- 1990-1992      Geotechnical Consulting Engineer, P.Eng., Jacques Whitford and Associates Limited., Dartmouth, Nova Scotia, Canada (PEng in Nova Scotia in 6/1991, see [Evidence 1: P7](#)).
- 1986-1990      Teaching and research assistant to Professor James Graham (now Director General of Canadian Geotechnical Society), Department of Civil Engineering, the University of Manitoba, Winnipeg, Manitoba, Canada.
- 1984-1986      Assistant Engineer, the Institute of Rock and Soil Mechanics, the Chinese Academy of Sciences, Wuhan, China.

#### **Adjunct Professorship**

- Adjunct Professor of Edith Cowan University, Perth, Australia, since May 2011;
- Adjunct Professor of Harbin Institute of Technology since 2004
- Adjunct Professor of Central South University since 2004
- Adjunct Professor of Beijing Jiatong University since 2003
- Adjunct Professor of Institute of Rock and Soil Mechanics, The Chinese Academic of Sciences since 2002
- Adjunct Professor of Tongji University since 2000,
- Advisory Professor in Hohai University since 2000 and
- Adjunct Professor in Chongqing Jiaotong University since 1999 in Mainland China.

### **3. Contributions to Canada and International Societies in Civil/ Geotechnical Engineering and Canadian/International Journals**

#### **3.1 Contributions to Canada in Geotechnical/Civil Engineering (5 selected cases)**

***(1) Two methods by JH Yin for calculating settlements of building foundations have been included in “Canadian Foundation Engineering Manual” (CFEM)) (5<sup>th</sup> edition)***

Please see [Evidence 2: P1](#): The two methods by JH Yin and co-authors have been adopted in Canadian Foundation Engineering Manual (CFEM) (5<sup>th</sup> edition). CFEM is the sole reference for geotechnical design of “Foundations” of National Building Code of Canada.

***(2) Explanation and successful modelling of excessive porewater pressure increase in marine clays underneath Tarsiut Island used for oil and gas explorations in Canada by JH Yin for the first time***

Please see [Evidence 2: P2](#): Contribution to solving geotechnical engineering problems of artificial islands on seabed in Canadian Beaufort Sea for oil and gas explorations in Canada.

**(3) *Yin's model and framework used for analysis and prediction of long-term settlement of Waba Dam in Canada***

Please see **Evidence 2: P3**: JH Yin's research work and constitutive model have been used by engineers and professors in Ontario to analyse and predict long-term settlement of Waba Dam in Canada - a project jointly funded by MITACS and Ontario Power Generation Inc.

**(4) *JH Yin served Canadian Geotechnical Journal as an Associate Editor for twelve years and a highly cited author***

Please see **Evidence 2: P4**: JH Yin served Canadian Geotechnical Journal (CGJ) as an Associate Editor for 12 years. CGJ is the flagship journal of Canadian Geotechnical Society and a top international journal. JH Yin was the 1<sup>st</sup> most cited author in CGJ 1989 and 1994 and the 6<sup>th</sup> most cited author in CGJ lifetime.

**(5) *JH Yin has had close co-operations with top/senior engineers and scholars in Canada including visits, talks, and meetings (selected examples from present to past)***

Please see **Evidence 2: P4 and P5**: Please see selected examples in the two pages.

**3.2 Contributions to International Societies in Geotechnical/Civil Engineering (5 selected cases)**

**(6) *JH Yin's Elastic Visco-Plastic (EVP) models for consolidation analysis of soils considered one of "main milestones in the evolution of geotechnical analysis in the past 60 years ..." and successful application to a field embankment in UK***

Please see **Evidence 2: P6**: Yin's EVP modelling of consolidation analysis of soils was considered one of "main milestones in the evolution of geotechnical analysis in the past 60 years (Zdravkovis and Carter, 2008 in Geotechnique). Geotechnique is Top 1 journal in geotechnical engineering. His EVP model was applied for analysis of an embankment in UK and approved reliable.

**(7) *JH Yin's new approach and methods demonstrated to save billions of dollars and a lot of time for marine reclamation constructions in Hong Kong and other coastal cities***

Please see **Evidence 2: P7**: Outcomes of this project will help the reclamation around the Kau Yi Chau natural island with 1000 hectares of land (C\$116.7 billion) in HK for a population of 500,000 to 550,000 people by saving C\$4.26 billion and reducing time to 1/10-1/5 of normal construction time.

- See impact video by PolyU: <https://youtu.be/uNguuFwH2Qc>
- See a field trial report entitled "A Sustainable Approach to Marine Reclamations and a Field Trial at Tung Chung New Town Extension Site in Hong Kong" at: <https://www.polyu.edu.hk/rils/research/research-reports/>

**(8) *JH Yin's R&D projects and know-hows serving international company in Hong Kong and Development Bureau of Hong Kong Government for large infrastructural projects and geo-hazards reduction***

Please see **Evidence 2: P8 and P9**. Please see stamped three copy pages from PolyU Technology & Consultancy Company Limited (PTeC): From 2015 to 7 Oct 2022 (7 years), Prof JH Yin completed 34 projects with a total income of HK\$8,286,770 (C\$1,382,000). This is an indication of his high-level consulting and technical services to local/international companies and HK Government department.

**(9) JH Yin's inventions and know-hows having been used by Tsinghua University for a large rock fill dam project**

Please see [Evidence 2: P10](#).

**(10) JH Yin's contributions to international and local professional organizations and journals**

Please see [Evidence 2: P11](#).

In addition:

- He has served/is serving in 12 technical committees of professional associations/societies in Hong Kong, Mainland China and overseas.
- Vice-President: International Association for Computer Methods and Advances in Geomechanics (IACMAG).
- President of Engineers Committee of China Universities Alumni (H.K.) Association.
- Committee Member: TC17 - Ground Improvement. Under ISSMGE - The International Society of Soil Mechanics & Geotechnical Engineering).
- Committee Member: TC36 - Foundation Engineering in Difficult Soft Soil Conditions. Under ISSMGE - The International Society of Soil Mechanics & Geotechnical Engineering).
- Committee Member: ISSMGE's ATC12 - Land Reclamation and Coastal Structures in Asia (only representative from Hong Kong) (under ISSMGE - The International Society of Soil Mechanics & Geotechnical Engineering).
- Committee Member: The Geomechanics Division of The Chinese Society of Theoretical and Applied Mechanics, 1998 to present .
- Committee Member: The Ground Rock Mechanics and Engineering Committee of Chinese Rock Mechanics and Engineering Society, 2004-3 to present (中國岩石力學與工程學會地面岩石工程專業委員會).
- Committee Member: Engineering Geology Committee of Chinese Geology Society, 2004-12 to present (中國地質學會, 工程地質專業委員會).
- Committee Member: "Lumb Lecture" Committee, organised by HKU and HKIE since 2001.
- Committee Member: "Best Geotechnical Paper" Committee, Geotechnical Division of HKIE since 2003.
- Committee Member: "Research and Development" Committee, Geotechnical Division of HKIE since 2001.
- Committee Member (1999-present) and Member (1995): (Ir.) Hong Kong Institution of Engineers.
- Executive Member (1996-97) and Treasurer (1997 to 1999): The Hong Kong Society of Theoretical and Applied Mechanics.
- Executive Member: The Association of Geotechnical Specialists (Hong Kong), 1998-2001
- Representative to regular meetings (every two months) of "Consultative Forum with Geotechnical Consultants" organized by Geotechnical Engineering Office, Civil Engineering Department, HK SAR Government (since 1996).
- Member of "Lumb Lecture" (The University of Hong Kong).
- Advisor of "Centre for Research and Professional Development" in Hong Kong
- Laboratory Assessor for HOKLAS since 1999.
- Invited key member to join in the Soil Nails Sub-Committee of Geotechnical Division of HKIE for writing Soil Nails Design Guidelines in Hong Kong (1998-2000).

- Coordinating Editor of a book of "Chinese Translation of Geotechnical Terms" in Hong Kong supported by AGS(HK), HKIE, GEO and PolyU (1998-2001).
- Vice-President (1987) and President (訪問學者學生會主席) (1988) of the Chinese Scholars and Students Association in Winnipeg, Canada.
- Winnipeg's Chinese Scholar and Student's Representative to the Friendship Association of Canada-China (加拿大-中國友協).

### 3.3 Contributions to Canadian and International Journals (5 selected cases)

(i) JH Yin served Canadian Geotechnical Journal (CGJ) as an **Associate Editor** for 13 years. CGJ is the flagship journal of Canadian Geotechnical Society and a top international journal. Please see **Evidence 2: P12**.

(ii) JH Yin has been a **founding Co-Editor** of Geomechanics and Geoengineering – an International Journal (the editorial office is in UK) since 2006, published by Taylor & Francis. Please see **Evidence 2: P12**.

(iii) JH Yin has been a **Co-Editor** of International Journal of Geomechanics (ASCE - American Society of Civil Engineers) since 2007. Please visit the journal website: <https://ascelibrary.org/page/ijgnai/editorialboard>. Please see **Evidence 2: P13**.

(iv) JH Yin has been in the editorial board of Marine Georesources & Geotechnology since 2005: <https://www.tandfonline.com/action/journalInformation?show=editorialBoard&journalCode=umgt20>

(v) JH Yin has been in the editorial board of Underground Space since 2015: <https://www.sciencedirect.com/journal/underground-space/about/editorial-board>

(vi) He is also an editorial (advisory) board/team member of (1) Chinese Journal of Geotechnical Engineering, (2) Chinese J. of Rock Mechanics and Engineering, and (3) Journal of Hazard Prevention and Mitigation Engineering.

## 4. Research Projects (Grants) and Impacts

### 4.1 Selected research projects (grants) with impacts in past seven years (recent to past) from Research Grants Council (RGC) of HK Government (similar to NSFC in Canada) based on competition in HK

#### (1) **General Research Fund (GRF) (no.: 15231122): Yin is Project Coordinator (Leader).**

- Project period: 1 Jan 2023 – 31 Dec 2025. Project title: “Physical Modelling and Theoretical Study of One-Dimensional Finite Strain Consolidation of Viscous Soft Soils”.
- **Total funding:** C\$0.186 million (HK\$1.116 million) from Research Grants Council (RGC) of HK Government. Please a print out from PolyU’s Projects and Grants Management System (PGMS) for this on-going project:

Project Highlight

Project ID	P0041768	Project Status	In Progress
Project Title	Physical Modelling and Theoretical Study of One-Dimensional Finite Strain Consolidation of Viscous Soft Soils		
Project Coordinator	(Ir Prof.) YIN Jianhua 殷建華 (Gender: M) (Chair Professor of Soil Mechanics /PI/CEE)	Project Period	1 Jan 2023 - 31 Dec 2025
Funding Scheme	General Research Fund	Funding Body	Research Grants Council

- **Impact:** This project is the first time to adopt Yin and Graham’s one-dimensional (1D) Elastic Visco-Plastic (EVP) constitutive model for finite strain consolidation analysis of viscous soft soils verified by physical model test data. “EVP” abbreviation was firstly used by Yin and Graham (1989, 1994, 1999) and is widely used by others. Nowadays, many mega projects encounter soft soils such reclamations on or even using soft soils and buildings on soft soils. This project will have both academic and application values.

**(2) General Research Fund (GRF) (no.: 15214722): Yin is Project Coordinator (Leader).**

- Project period: 1 Oct 2022 – 30 Sept 2025. Project title: “Performance Assessment of Diaphragm Wall: from Tremie Concreting to Long-term Structure Monitoring”.
- **Total funding:** C\$0.183 million (HK\$1.098 million) from Research Grants Council (RGC) of HK Government. Please a print out from PolyU’s PGMS for this on-going project:

Project Highlight			
Project ID	P0041925	Project Status	In Progress
Project Title	Performance Assessment of Diaphragm Wall: from Tremie Concreting to Long-term Structure Monitoring		
Project Coordinator	(Ir Prof.) YIN Jianhua 殷建華 (Gender: M) (Chair Professor of Soil Mechanics /PI/CEE)	Project Period	1 Oct 2022 - 30 Sep 2025
Funding Scheme	General Research Fund	Funding Body	Research Grants Council

- **Impact:** Diaphragm walls are commonly used to support deep excavations for buildings and subways. This project will study how to use Yin’s optical fibre sensor technologies for monitoring the deformations and forces of diaphragm walls and their performances. Yin is a pioneer on R&D of optical fibre sensor technologies for Civil/Geotechnical applications in Hong Kong since 1998.

**(3) Research Impact Fund (RIF) (grant no.: R5037-18): Yin is Project Coordinator (Leader).**

- Project period: 30 Jun 2019 - 29 Jun 2024. Project title: “Study of Super-fast Large-area Economical Marine Reclamations for Housing and Infrastructural Developments in the Guangdong-Hong Kong-Macau Greater Bay Area”.
- **Total funding:** C\$3.377 million (HK\$14.26 million (C\$2.377 million) with 70% (HK\$9,876,160) from Research Grants Council (RGC) of HK Government and 30% of required match funding from PolyU, plus HK\$6 million (C\$1 million) from by Civil Engineering and Development (CEDD) of HK Government to cover field trial construction cost (**Evidence 2: P7**). Please visit the website for this RIF project information: [https://www.ugc.edu.hk/eng/rgc/funding\\_opport/rif/funded%20research/rif1819.html](https://www.ugc.edu.hk/eng/rgc/funding_opport/rif/funded%20research/rif1819.html)
- **Impact:** Outcomes of this project will save money and time for the reclamation around the Kau Yi Chau natural island with 1000 hectares of land (C\$116.7 billion) in HK for a population of 500,000 to 550,000 people. C\$4.26 billion (if used for 500 hectares of reclamation) can be saved and the construction time can be reduced to 1/10-1/5 of normal construction time. Please see a report entitled “A Sustainable Approach to Marine Reclamations and a Field Trial at Tung Chung New Town Extension Site in Hong Kong” for the field trial results and cost comparisons at: <https://www.polyu.edu.hk/rils/research/research-reports/>  
Please see a video on the impact produced by Faculty of Construction and Environment (FCE) of PolyU: <https://youtu.be/uNguuFwH2Qc>

**(4) Sub-project (no.: 3-RBCE) of a Theme-based Research Scheme (TRS) (Grant no.: T22-502/18-R) and Yin is this sub-project leader.**

- Project period: 1 Jan 2019 – 31 Dec 2024. Project title: “Sustainable Marine Infrastructure Enabled by the Innovative Use of Seawater Sea-Sand Concrete and Fibre-Reinforced Polymer Composites”. The total funding for this TRS project is HK\$ 47.218 million from RGC of HK Government.
- **Total funding:** C\$0.182 million (HK\$1.090 million) from Research Grants Council (RGC) of HK Government. Please a print out from PolyU’s PGMS for this on-going project:

Project Highlight			
Project ID	P0013929	Project Status	In Progress
Project Title	Sustainable Marine Infrastructure Enabled by the Innovative Use of Seawater Sea-Sand Concrete and Fibre-Reinforced Polymer Composites - CEE 7		
Project Coordinator	(Ir Prof.) YIN Jianhua 殷建華 (Gender: M) (Chair Professor of Soil Mechanics /PI/CEE)	Project Period	1 Jan 2019 - 31 Dec 2024
Funding Scheme	RGC Theme-based Research Scheme (PolyU as PC)	Funding Body	Research Grants Council

- **Impact:** In this sub-project, Yin focuses on using his optical fibre sensor technologies to monitor performances including failures of “Fibre Reinforced Polymer” (“FRP”) concrete structures. Contents include de-bonding between FRP bars (or tube) and concrete, the failure modes and long-term performance of FRP reinforced concrete which may be made of sea-sand and seawater. FRP reinforced concrete structures are corrosion resistance.

**(5) General Research Fund (GRF) (no.: 15210020): Yin is Project Coordinator (Leader).**

- Project period: 1 Jan 2021 – 30 Jun 2024. Project title: “Study of Mechanisms of deformation and bearing capacity of an innovative FRP pipe concrete pile in a rock-socket under vertical loading”.
- **Total funding:** C\$0.146 million (HK\$0.874 million) from Research Grants Council (RGC) of HK Government. Please a print out from PolyU’s PGMS for this on-going project:

Project Highlight			
Project ID	P0032999	Project Status	In Progress
Project Title	Study of Mechanisms of deformation and bearing capacity of an innovative FRP pipe concrete pile in a rock-socket under vertical loading		
Project Coordinator	(Ir Prof.) YIN Jianhua 殷建華 (Gender: M) (Chair Professor of Soil Mechanics /PI/CEE)	Project Period	1 Jan 2021 - 30 Jun 2024
Funding Scheme	General Research Fund	Funding Body	Research Grants Council

- **Impact:** “FRP” stands for “Fibre Reinforced Polymer” which has a high strength and corrosion resistance. This project is the first time to use “FRP” re-bars to make innovative concrete piles installed in rock-sockets to support high-rise buildings subjected to both static and cyclic loading. If approved successful, this type of FRP piles will overcome corrosion problems, be safer, and save cost in a long-term.

**(6) General Research Fund (GRF) (no.: 15213019): Yin is Project Coordinator (Leader).**

- Project period: 1 Jan 2020 – 30 Jun 2023. Project title: “Physical and Numerical Modelling of Consolidation of Bentonite Slurry Accelerated by Vertical Drains under Vacuum Preloading and Heating”. (Completed)
- **Total funding:** C\$0.089 million (HK\$ 0.535 million) from Research Grants Council (RGC) of HK Government.
- **Impact:** There are three clay minerals for most clayey soils: Bentonite (also called montmorillonite), illite, and kaolinite. Bentonite is the most problematic clay mineral due to very low permeability, swelling/shrinking, and low shear strength. The new idea in this project was to study to use vertical drains under vacuum preloading and heating to speed up the consolidation of bentonite slurry as an extreme soft soil. It was found that heating can speed up the consolidation, especially in accelerating creep compression. Based on this, a

new technique using vertical drains under vacuum preloading and heating can be further develop for improving very soft clayey soils.

**(7) General Research Fund (GRF) (no.: PolyU 152179/18E): Yin is Project Coordinator (Leader).**

- Project period: 1 Jan 2019 – 30 Jun 2022. Project title: “Physical Modelling and Analysis of Consolidation Settlements of Multi-layered Clayey Soils Exhibiting Creep without or with Vertical Drains Subjected to a Complicated Loading Process”. (Completed)
- **Total funding:** C\$0.107 million (HK\$0.642 million) from Research Grants Council (RGC) of HK Government.
- **Impact:** Excessive settlements of buildings/ground have been a big problem with a long history. This project focused on physical modelling and analysis of consolidation settlements of multi-layered clayey soils exhibiting creep without or with vertical drains subjected to a complicated loading process. Two methods based on this study have been adopted by 5<sup>th</sup> edition of Canadian Foundation Engineering Manual (CFEM). CFEM is the sole reference for geotechnical design of “Foundations” of National Building Code of Canada.

**(8) General Research Fund (GRF) (no.: PolyU 152209/17E): Yin is Project Coordinator (Leader).**

- Project period: 1 Jan 2018 – 30 Jun 2021. Project title: “Test Study of Sea-sand Seawater Concrete FRP Piles in Marine Soils under Cyclic and Static Loading”. (Completed)
- **Total funding:** C\$0.097 million (HK\$0.582 million) from Research Grants Council (RGC) of HK Government.
- **Impact:** This project focused for the first time, on “FRP” re-bars reinforced concrete piles made of sea-sand and sea-water and installed in marine soils. Such piles were tested under both static and cyclic loading. If approved successful, this type of FRP piles will overcome corrosion problems, be safer, and save cost in a long-term and can be adopted and installed in marine reclamations in Hong Kong to support superstructures.

**(9) General Research Fund (GRF) (no.: PolyU 152796/16E): Yin is Project Coordinator (Leader).**

- Project period: 1 Jan 2017 – 30 Jun 2020. Project title: “Development and Verification of a New Simplified Hypothesis B Method for Calculating Consolidation Settlement of Clayey Soils Exhibiting Creep”. (Completed)
- **Total funding:** C\$0.113 million (HK\$0.676 million) from Research Grants Council (RGC) of HK Government.
- **Impact:** In this project, a new simplified Hypothesis B Method was proposed and validated by comparing with lab test data, field measurement, and other numerical model results for calculating consolidation settlement of clayey soils exhibiting creep. This simple method has been adopted by 5<sup>th</sup> edition of Canadian Foundation Engineering Manual (CFEM). CFEM is the sole reference for geotechnical design of “Foundations” of National Building Code of Canada.

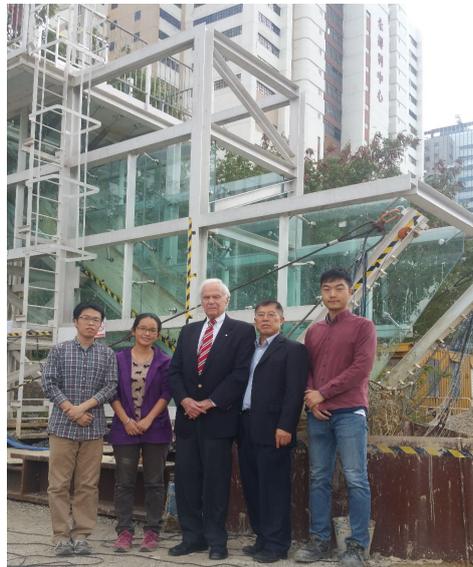
**(10) General Research Fund (GRF) (no.: PolyU 152196/14E): Yin is Project Coordinator (Leader).**

- Project period: 1 Jan 2015 – 30 Jun 2018. Project title: “Study on Total and Differential Settlements of New Marine Reclamations in Hong Kong”. (Completed)
- **Total funding:** C\$0.083 million (HK\$0.50 million) from Research Grants Council (RGC) of HK Government.

- **Impact:** In this project, physical model tests were done to study total and differential settlements of new marine reclamations in Hong Kong. 2D and 3D numerical models using Yin and Graham's 3D EVP constitutive laws were proposed and used to simulate total and differential settlements considering creep of HK marine soils. The numerical models were verified by comparing with the physical model test data and other data. The numerical method based on this study has been adopted by 5<sup>th</sup> edition of Canadian Foundation Engineering Manual (CFEM). CFEM is the sole reference for geotechnical design of "Foundations" of National Building Code of Canada.

**(11) Collaborative Research Fund (CRF) (PolyU12/CRF/13E); Yin was Project Coordinator.**

- **Project period:** 30 Jun 2014 - 29 Dec 2017. Project title "A Unique Multi-Functions Large-Scale Physical Model Testing Facility for Study of the Impact of Debris Flow on Flexible Barriers and Geo-Hazards in Hong Kong".
- **Total funding:** C\$1.368 million (HK\$8.209 million) with 50% (HK\$ \$4,104,441) from Research Grants Council (RGC) of HK Government and 50% (HK\$ \$4,104,441) required match from PolyU. Please visit the website for this CRF project information: [#PolyU12](https://www.ugc.edu.hk/eng/rgc/funding_opport/crf/funded%20research/crf13_lay_sum.htm)
- **Impact:** 70% of the HK land has steep hills. Geo-hazards have occurred before and still impose a great danger to human life and property/infrastructures in Hong Kong. Geo-hazards include landslides, debris flows, rock falls, collapses of retaining walls, etc. This project focused to design and construction of a new large-scale multi-functions physical model testing facility, the first one in HK, for studying of debris flow (rock falls) on flexible barriers and to do tests and get scientific data to improve current methods for design of flexible barriers. The facility was equipped with new monitoring technologies such as optical fibre sensors by Yin's team. The project will have a long-term and significant impact in terms of protection of our living environment, fundamental research and technology advancement.



Professor Dr. Norbert R. Morgenstern D.Sc., F.R.S.C. from University of Alberta, Canada is in the middle of the left photo above. Professor Morgenstern visited this facility on 13 Dec 2017 in Hong Kong. Professor Morgenstern is a World's renowned expert and scholar on landslides: <https://www.alberta.ca/aoe-norbert-morgenstern>

## 4.2 Summary of projects and total funding in past seven years and in Yin's career in PolyU

### (a) Projects and total funding in past seven years (2014/2017 to 2023)

Referring to information in 4.1

**Total number of projects** (from Research Grants Council (RGC) of HK Government): **11**

**Total funding:** C\$5.930 million (HK\$35.582 million)

The above funding is based on competitive RGC projects in HK, excluding projects from PolyU, donations, Mainland China, other R&D projects from industry. JH Yin is still a very active researcher and one of most competitive researchers.

### (b) Projects of all types and total funding in Yin's career in PolyU (1995 to 2023)

Referring to information in 4.1

**Total number of all projects** (from RGC) of HK Government, PolyU, donations, Mainland China, other R&D projects from industry): **75**

**Total funding:** C\$17 million (HK\$102 million).

## 5. Publications, International Rankings, and Awards/Honours

### 5.1 Publications (lists, selected papers with impact, and two selected books)

(a) *Please see a list of publications and a screen print from Scopus for papers (by 29/09/2023):*

<https://www.scopus.com/authid/detail.uri?authorId=7401693397>

## Yin, Jianhua

The Hong Kong Polytechnic University, Hong Kong, Hong Kong © 7401693397 <https://orcid.org/0000-0002-7200-3695> [View more](#)

10,207

Citations by 6,363 documents

386

Documents

54

*h*-index [View \*h\*-graph](#)



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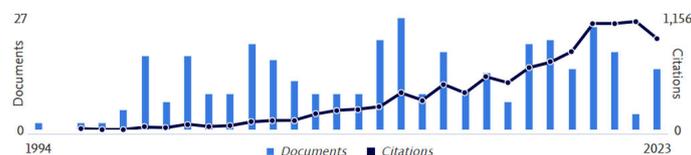


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### Document & citation trends



### Most contributed Topics 2018–2022

Creep; Cam-Clay Model; Embankments  
12 documents

Optical Correlation; Sensing; Time Domain Analysis  
10 documents

Unsaturated Soil; Soil Water Characteristic; Suction  
9 documents

Documents (publications) = 386; total citations = 10207, *h*-index = 54

(b) *Please see a list of publications and a screen print from Googler Scholar for papers (by 29/09/2023):* <https://scholar.google.com.hk/citations?user=V7uzTTQAAAAJ&hl>

Google Scholar

Jian-Hua Yin  
The Hong Kong Polytechnic University  
Verified email at polyu.edu.hk  
Soil Mechanics Consolidation Geotechnical Engineering Monitoring Ground Improvement

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TITLE	CITED BY	YEAR
Experimental investigation of creep behavior of salt rock C Yang, JJK Daemen, JH Yin International Journal of Rock Mechanics and Mining Sciences 36 (2), 233-242	390	1999
Viscous-elastic-plastic modelling of one-dimensional time-dependent behaviour of clays JH Yin, J Graham Canadian geotechnical journal 26 (2), 199-209	385	1989
Equivalent times and one-dimensional elastic viscoplastic modelling of time-dependent stress-strain behaviour of clays JH Yin, J Graham Canadian Geotechnical Journal 31 (1), 42-52	330	1994
A new elastic viscoplastic model for time-dependent behaviour of normally and	285	2002

Cited by

VIEW ALL

	All	Since 2018
Citations	13482	7130
h-index	63	44
i10-index	223	188

Documents (publications) = 426; total citations = 13482,  $h$ -index = 63

(c) Selected five papers with impacts and two selected books

- [1] Yin JH, J Graham (1989). Viscous-elastic-plastic modelling of one-dimensional time-dependent behaviour of clays. Canadian geotechnical journal 26 (2), 199-209 (380 citations). *The 1st most cited paper* in Canadian Geotechnical Journal (1989).
- [2] Yin JH, J Graham (1994). Equivalent times and one-dimensional elastic viscoplastic modelling of time-dependent stress-strain behaviour of clays. Canadian Geotechnical Journal 31 (1), 42-52 (323 citations). *The 1st most cited paper* in Canadian Geotechnical Journal (1994).
- [3] Yin JH, J Graham (1996). Elastic visco-plastic modelling of one-dimensional consolidation. Geotechnique 46 (3), 515-527 (231 citations). Geotechnique is Top 1 journal in geotechnical engineering. This paper was considered *one of "main milestones in the evolution of geotechnical analysis in the past 60 years"* of this journal (Zdravkovis and Carter 2008).
- [4] Yin JH, Cheng CM, Kumruzzaman Md, and Zhou WH (2010). New Mixed Boundary True Triaxial Loading Device for Testing Study of the 3-D Stress-Strain-Strength Behaviour of Geomaterials. Canadian Geot J. Vol.47(1), 1-15. This paper received *Honour of "2011 R. M. Quigley Award – Honourable Mention"* by Canadian Geotechnical Society (CGS). This paper presents the contents of Chinese Patent (ZL200410094697.X), which was used by Tsinghua University.
- [5] Yin JH (1999). Non-linear creep of soils in oedometer tests. Geotechnique 49 (5), 699-707 (Citations 234). *The 7th most cited paper in Geotechnique (1999)*.

Citations are from: <https://scholar.google.com.hk/citations?user=V7uzTTQAAAAJ&hl>

The 1st most cited paper or 7th cited paper info is from:  
<https://exaly.com/author/5841500/jian-hua-yin/rankings>

Books:

Yin, Jian-Hua and Zhu, Guo-Fu (Dec 2020). *Consolidation Analyses of Soils. Consolidation Analyses of Soils*. CRC Press, Taylor & Francis Group, London, UK (ISBN 9780367555320), 574 Pages and 331 B/W Illustrations. See: <https://www.routledge.com/9780367555320>.

Shukla, Sanjay Kumar and Yin, Jian-Hua Yin (2006). *Fundamentals of Geosynthetic Engineering*. CRC Press, Taylor & Francis Group, London, UK (ISBN: 9780415394444), 432 pages. See: <https://www.routledge.com/Fundamentals-of-Geosynthetic-Engineering/Shukla-Yin/p/book/9780415394444>

## **5.2 World's Top 2% Scientists and among the Top 100,000 Scientists in the World by Stanford University in 2022**

- (a) Please visit the following website to download the data files which were published on 3 November 2022 by John P.A. Ioannidis of Stanford University: <https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw>
- (b) Please see the printing of the Excel data file for “Geological & Geomatics Engineering” main field in the following page. Yin, Jianhua of Hong Kong Polytechnic University was ranked in Top 88 among 58101 scientists in his “Geological & Geomatics Engineering” main field in World’s Top 2% Scientists by Stanford University in 2022. Prof JH Yin was Top 7<sup>th</sup> Canadian Scientist/Engineer in the ranking.
- (c) The Stanford's list of top 2% most cited scientists in the world identifies scholars who have published multiple highly cited papers ranked according to various metrics on citation impact across multiple scientific fields and subfields based on Scopus data for career-long, and, separately, for single recent year impact. The selection is based on the top 100,000 scientists by c-score (with and without self-citations) or a percentile rank of 2% or above in the sub-field. The scholar in this record has been listed in version 5 of the Stanford's list of top 2% most cited scientists in the world released on 3 Nov 2022. For details, please refer to the official release note and website: <https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw>

## Full C.V. - Jian-Hua YIN, The Hong Kong Polytechnic University

authfull	inst_name	cntry	np60	firstyr	lastyr	rank (ns)	nc9621 (ns)	sm-subfield-1	sm-subfield-1-frac	rank sm-subfield-1	sm-subfield-1 count
Tucker, Compton J.	NASA Goddard Space Flight Center	usa	272	1974	2021	800	40,814	Geological & Geomatics Engineering	0.4708	1	58,101
Footy, Giles	University of Nottingham	gbr	318	1984	2022	1,396	18,727	Geological & Geomatics Engineering	0.6700	2	58,101
Goodchild, Michael F.	University of California, Santa Barbara	usa	286	1969	2022	1,852	16,664	Geological & Geomatics Engineering	0.3086	3	58,101
Huete, Alfredo	University of Technology Sydney	aus	313	1984	2022	2,590	28,506	Geological & Geomatics Engineering	0.5446	4	58,101
Pradhan, Biswajeet	University of Technology Sydney	aus	727	2000	2022	4,272	22,475	Geological & Geomatics Engineering	0.2741	5	58,101
Myneni, Ranga B.	Boston University	usa	330	1985	2022	3,776	36,009	Geological & Geomatics Engineering	0.3891	6	58,101
Randolph, Mark F.	The University of Western Australia	aus	548	1975	2022	4,951	16,848	Geological & Geomatics Engineering	0.6462	7	58,101
Chen, Jing M.	University of Toronto	can	477	1988	2022	5,544	19,513	Geological & Geomatics Engineering	0.3439	8	58,101
Weng, Qihao	Hong Kong Polytechnic University	hkg	214	1994	2022	4,319	14,922	Geological & Geomatics Engineering	0.6722	9	58,101
Gitelson, Anatoly	School of Natural Resources	usa	205	1987	2022	4,592	22,367	Geological & Geomatics Engineering	0.3668	10	58,101
Chang, Chein I.	Dalian Maritime University	chn	467	1988	2022	6,860	13,408	Geological & Geomatics Engineering	0.4371	11	58,101
Lee, Jong Sen	Computational Physics, Inc.	usa	216	1978	2022	5,216	13,909	Geological & Geomatics Engineering	0.7991	12	58,101
Næsset, Erik	Norges Miljø- og Biovitenskapelige Univer	nor	245	1989	2022	8,578	10,658	Geological & Geomatics Engineering	0.4898	13	58,101
Gong, Peng	The University of Hong Kong	hkg	546	1989	2022	8,113	24,531	Geological & Geomatics Engineering	0.5444	14	58,101
Jackson, Thomas J.	USDA ARS Beltsville Agricultural Research	usa	461	1974	2019	8,890	17,926	Geological & Geomatics Engineering	0.6496	15	58,101
Liang, Shunlin	University of Maryland, College Park	usa	486	1989	2022	10,568	15,609	Geological & Geomatics Engineering	0.6395	16	58,101
Sloan, Scott W.	The University of Newcastle, Australia	aus	372	1980	2021	8,633	11,840	Geological & Geomatics Engineering	0.6222	17	58,101
Benediktsson, Jón Atli	Haskoli Islands	isl	471	1986	2022	8,825	24,663	Geological & Geomatics Engineering	0.6890	18	58,101
Rowe, R. K.	Queen's University	can	421	1978	2021	11,556	10,257	Geological & Geomatics Engineering	0.8049	19	58,101
Lade, Poul V.	University of California, Los Angeles	usa	199	1973	2017	8,243	8,682	Geological & Geomatics Engineering	0.6735	20	58,101
Fredlund, Delwyn G.	University of Saskatchewan	can	292	1972	2022	8,703	15,608	Geological & Geomatics Engineering	0.7790	21	58,101
Lee, Saro	Korea Institute of Geoscience and Minera	kor	161	2000	2020	10,360	10,168	Geological & Geomatics Engineering	0.3313	22	58,101
Wulder, Michael A.	Canadian Forest Service	can	392	1996	2022	11,729	19,440	Geological & Geomatics Engineering	0.5604	23	58,101
Bioucas-Dias, Jose M.	Instituto Superior Técnico	prt	300	1990	2022	9,516	20,066	Geological & Geomatics Engineering	0.4527	24	58,101
Blaschke, Thomas	Universität Salzburg	aut	248	1996	2022	11,169	10,989	Geological & Geomatics Engineering	0.4481	25	58,101
Stehman, Stephen V.	SUNY College of Environmental Science ar	usa	185	1991	2022	11,192	16,125	Geological & Geomatics Engineering	0.5435	26	58,101
Cundall, Peter	Itasca Consulting Group, Inc.	usa	69	1975	2022	10,249	19,704	Geological & Geomatics Engineering	0.4762	27	58,101
Indraratna, Buddhima	University of Technology Sydney	aus	592	1987	2022	17,545	9,367	Geological & Geomatics Engineering	0.8144	28	58,101
Congalton, Russell G.	University System of New Hampshire	usa	140	1980	2022	9,988	11,726	Geological & Geomatics Engineering	0.6947	29	58,101
Zimmerman, Robert W.	Imperial College London	gbr	215	1982	2022	10,819	9,194	Geological & Geomatics Engineering	0.2600	30	58,101
Curran, Paul J.	City, University of London	gbr	178	1978	2012	10,821	9,120	Geological & Geomatics Engineering	0.7471	31	58,101
Atkinson, Peter M.	University of Southampton	gbr	393	1987	2022	12,393	12,362	Geological & Geomatics Engineering	0.4921	32	58,101
Bieniawski, Z. T.	Bieniawski Design Enterprises	usa	98	1965	2017	9,762	8,541	Geological & Geomatics Engineering	0.5393	33	58,101
Bruzzo, L.	Università di Trento	ita	641	1994	2022	13,934	24,124	Geological & Geomatics Engineering	0.6840	34	58,101
Lu, Dengsheng	Fujian Normal University	chn	145	2002	2022	11,879	12,316	Geological & Geomatics Engineering	0.7630	35	58,101
Houlsby, Guy T.	University of Oxford	gbr	237	1979	2023	12,514	10,254	Geological & Geomatics Engineering	0.5600	36	58,101
Gazetas, George	National Technical University of Athens	grc	270	1976	2022	12,444	8,810	Geological & Geomatics Engineering	0.4697	37	58,101
Zhao, Jian	Monash University	aus	346	1991	2022	14,881	11,664	Geological & Geomatics Engineering	0.7009	38	58,101
Townshend, John	University of Maryland, College Park	usa	215	1974	2021	11,881	24,504	Geological & Geomatics Engineering	0.6927	39	58,101
Rutqvist, Jonny	Lawrence Berkeley National Laboratory	usa	358	1990	2022	17,826	9,451	Geological & Geomatics Engineering	0.3994	40	58,101
Caselles, Vicente	Universitat de València	esp	373	1983	2022	14,016	19,105	Geological & Geomatics Engineering	0.2690	41	58,101
Tang, Chun'an	Dalian University of Technology	chn	677	1987	2022	17,218	12,159	Geological & Geomatics Engineering	0.4643	42	58,101
Barton, Nick	Nick Barton & Associates	nor	188	1971	2022	13,730	9,805	Geological & Geomatics Engineering	0.5287	43	58,101
Plaza, Antonio	Universidad de Extremadura	esp	585	2000	2022	18,872	19,431	Geological & Geomatics Engineering	0.6818	44	58,101
Jensen, John R.	University of South Carolina	usa	203	1975	2019	14,140	8,299	Geological & Geomatics Engineering	0.5918	45	58,101
Elvidge, Christopher D.	Colorado School of Mines	usa	204	1980	2022	14,902	14,257	Geological & Geomatics Engineering	0.5561	46	58,101
Kustas, William P.	USDA ARS Beltsville Agricultural Research	usa	348	1985	2022	19,868	15,969	Geological & Geomatics Engineering	0.3109	47	58,101
Murray, Alan T.	University of California, Santa Barbara	usa	252	1993	2022	18,703	7,415	Geological & Geomatics Engineering	0.1535	48	58,101
Hu, Chuanmin	University of South Florida St. Petersburg	usa	258	1997	2022	19,765	10,630	Geological & Geomatics Engineering	0.3843	49	58,101
Bolton, M. D.	University of Cambridge	gbr	208	1978	2021	14,878	9,433	Geological & Geomatics Engineering	0.7192	50	58,101
Vardoulakis, Ioannis	National Technical University of Athens	grc	181	1976	2019	16,232	7,147	Geological & Geomatics Engineering	0.3918	51	58,101
Detournay, Emmanuel	University of Minnesota Twin Cities	usa	225	1977	2022	17,011	8,322	Geological & Geomatics Engineering	0.3962	52	58,101
Dozier, Jeff	University of California, Santa Barbara	usa	184	1976	2022	16,552	8,150	Geological & Geomatics Engineering	0.3165	53	58,101
Ng, Charles Wang Wai	Hong Kong University of Science and Tech	hkg	537	1991	2022	24,517	9,527	Geological & Geomatics Engineering	0.7571	54	58,101
MacEachren, Alan M.	Pennsylvania State University	usa	172	1979	2022	15,817	7,399	Geological & Geomatics Engineering	0.3038	55	58,101
Kerr, Yann	Universite Paul Sabatier Toulouse III	fra	491	1982	2022	24,748	15,151	Geological & Geomatics Engineering	0.6896	56	58,101
Xie, Heping	Shenzhen University	chn	422	1986	2022	19,804	10,651	Geological & Geomatics Engineering	0.2891	57	58,101
Seed, H. Bolton	University of California, Berkeley	usa	118	1970	2022	14,545	10,604	Geological & Geomatics Engineering	0.6979	58	58,101
Wentz, Frank J.	Remote Sensing Systems	usa	173	1978	2021	17,777	9,962	Geological & Geomatics Engineering	0.3772	59	58,101
Wang, Menghua	National Oceanic and Atmospheric Admin	usa	218	1992	2022	35,233	6,136	Geological & Geomatics Engineering	0.3257	60	58,101
Cloude, Shane R.	AEL Consultants	gbr	180	1983	2022	18,231	9,480	Geological & Geomatics Engineering	0.5722	61	58,101
Friedl, Mark A.	Boston University	usa	158	1987	2022	16,475	19,873	Geological & Geomatics Engineering	0.4968	62	58,101
Borja, Ronaldo I.	Stanford University	usa	167	1985	2022	23,293	5,139	Geological & Geomatics Engineering	0.3841	63	58,101
Gao, Bo Cai	Naval Research Laboratory	usa	134	1989	2020	18,134	8,540	Geological & Geomatics Engineering	0.5299	64	58,101
Phoon, Kok Kwang	Singapore University of Technology and D	sgp	371	1990	2022	26,032	8,528	Geological & Geomatics Engineering	0.6011	65	58,101
Zhang, Liangpei	Wuhan University	chn	872	1998	2022	19,929	27,593	Geological & Geomatics Engineering	0.6874	66	58,101
Hoek, E.	Gas Engineering Consultant	can	69	1965	2019	16,121	10,381	Geological & Geomatics Engineering	0.7377	67	58,101
Hung, Oldrich	The University of British Columbia	can	96	1978	2018	18,483	8,159	Geological & Geomatics Engineering	0.6452	68	58,101
Poulos, Harry G.	Tetra Tech Coffey	aus	281	1969	2022	17,781	5,803	Geological & Geomatics Engineering	0.6231	69	58,101
Bamler, Richard	Technical University of Munich	deu	237	1982	2021	20,021	9,481	Geological & Geomatics Engineering	0.7511	70	58,101
Strahler, Alan	Boston University	usa	274	1972	2019	19,489	18,975	Geological & Geomatics Engineering	0.7280	71	58,101
Wagner, Wolfgang	Technische Universität Wien	aut	348	1998	2022	24,207	14,169	Geological & Geomatics Engineering	0.5130	72	58,101
Muir Wood, David	University of Dundee	gbr	173	1972	2021	19,352	6,673	Geological & Geomatics Engineering	0.6485	73	58,101
Skidmore, Andrew K.	Faculty of Geo-Information Science and E	nld	430	1986	2022	22,739	18,952	Geological & Geomatics Engineering	0.5631	74	58,101
Seto, Karen C.	Yale University	usa	145	2000	2022	20,161	14,149	Geological & Geomatics Engineering	0.1641	75	58,101
Ishihara, Kenji	Chuo University	jpn	173	1962	2022	18,987	7,868	Geological & Geomatics Engineering	0.6380	76	58,101
Huang, Runqiu	Chengdu University of Technology	chn	554	1997	2022	23,249	8,682	Geological & Geomatics Engineering	0.5408	77	58,101
He, Manchao	China University of Mining & Technology,	chn	469	1991	2022	27,160	7,086	Geological & Geomatics Engineering	0.5129	78	58,101
Coops, Nicholas C.	The University of British Columbia	can	522	1996	2022	28,753	16,033	Geological & Geomatics Engineering	0.4308	79	58,101
Chuvieco, Emilio	Universidad de Alcalá	esp	199	1984	2022	24,646	8,526	Geological & Geomatics Engineering	0.5083	80	58,101
Ulaby, Fawwaz	University of Michigan, Ann Arbor	usa	370	1969	2017	20,361	14,195	Geological & Geomatics Engineering	0.6687	81	58,101
Robertson, P. K.	Gregg Drilling & Testing, Inc..	usa	152	1979	2018	20,652	7,675	Geological & Geomatics Engineering	0.8456	82	58,101
Du, Qian	Mississippi State University	usa	517	1998	2022	26,921	12,473	Geological & Geomatics Engineering	0.7208	83	58,101
Elsworth, Derek	Pennsylvania State University	usa	579	1985	2022	32,360	10,992	Geological & Geomatics Engineering	0.3478	84	58,101
Clarke, Keith C.	University of California, Santa Barbara	usa	178	1979	2022	22,186	8,942	Geological & Geomatics Engineering	0.3860	85	58,101
Griffiths, D. V.	Colorado School of Mines	usa	260	1982	2022	22,911	8,610	Geological & Geomatics Engineering	0.6857	86	58,101
Oda, Masanobu	Saitama University	jpn	63	1972	2012	21,671	5,793	Geological & Geomatics Engineering	0.4754	87	58,101
Yin, Jianhua	Hong Kong Polytechnic University	hkg	367	1988	2022	31,214	6,414	Geological & Geomatics Engineering	0.6932	88	58,101

**5.3 Awards/Honours (a few selected starting from the highest one based on his judgements)**

- (1) ***The First-class Natural Science Award of Ministry of Education of China in 2017***  
Project name for this award was “A Unified Hardening Constitutive Theory for Soils”. Please see [Evidence 3: P1](#).
- (2) ***The Second-class Natural Science Award of Ministry of Education of China in Dec 2019***  
Project name for this award was “Elastic Visco-Plastic Constitutive Models of Clayey Soils and Settlement Analyses”. (JH Yin was ranked at the top first position.) Please see [Evidence 3: P2](#).
- (3) ***“Outstanding Contributions Medal” in Oct 2017 from International Association for Computer Methods and Advances in Geomechanics (IACMAG) (founded in USA)***  
This is the highest honour of IACMAG.  
Citation: “For fundamental works on elastic visco-plastic models, innovations in soil testing devices and optical fibre sensors, and contributions to IACMAG”. Please see [Evidence 3: P3](#).
- (4) ***“Chandra S. Desai Excellence Award” in May 2011 from International Association for Computer Methods and Advances in Geomechanics (IACMAG) (founded in USA)***  
Citation: “For excellent contributions in experimental study of the nonlinear and time-dependent stress-strain behavior of soils, development and applications of elastic visco-plastic constitutive models, and innovative development of laboratory testing facilities and optical fibre sensing technologies”. Please see [Evidence 3: P4](#).
- (5) ***“John Booker Medal” in Oct 2008 from International Association for Computer Methods and Advances in Geomechanics (IACMAG) (founded in USA)***  
Citation: “for excellent contributions in test study of the nonlinear and time-dependent stress-strain behavior of soils, development and applications of elastic visco-plastic constitutive models, and consolidation analyses”. Please see [Evidence 3: P5](#).
- (6) ***Selected to give “2011 Huang Wenxi Lecture” (No.14 in series) in April 2011 by Editorial Board of “Chinese Journal of Geotechnical Engineering”***  
“Huang Wen-Xi Lecture” is the highest ranking lecture in China, which is similar to “Terzaghi Lecture” in USA and Rankine Lecture” in UK, all in geotechnical engineering. Prof JH Yin’s “Huang Wen-Xi Lecture” title was “From constitutive modelling to development of laboratory testing and optical fiber sensor monitoring technologies” (Yin 2011). Please see [Evidence 3: P6](#).
- (7) ***Received “Mao Yi-Sheng Soil Mechanics and Foundation Engineering Youth Award” for 2000 in China***  
Awarded in May 2001, Xi’an, China by “The Mao Yi-Sheng Science Education Fund” – a prestigious award in China for outstanding youth in Soil Mechanics and Foundation Engineering, given in every two years. Please see [Evidence 3: P7](#).
- (8) ***Honoured for being qualified for “Cheung Kong Scholars Program” “Specially Appointed Professor” in Mainland China in 2001***  
He was the first one in the Geotechnical Engineering field to have this position. Please see [Evidence 3: P8](#).

**(9) Received Brussels Innova 2009 Silver Medal for “Multi-GPS Technology”.**

Please see [Evidence 3: P9](#).

**(10) Received 2011 “Prix R. M. Quigley Award – Honourable Mention” for your paper entitled “New mixed boundary, true triaxial loading device for testing three-dimensional stress–strain–strength behaviour of geomaterials”**

This paper was one of the 3 best papers published in Canadian Geotechnical Journal (2010).

Please see [Evidence 3: P10](#).

**(11) Won a prize and a certificate of honour for one of the best in competition to calculate the settlement of Haarajoki Test Embankment in Helsinki, Finland**

The competition was organized by Finish National Road Administration in Nov 1999 (Jian-Hua Yin ranked the 1st). Please see [Evidence 3: P11](#).

**6. Successful Supervision of PhD Students, MPhil & MSc Students with Decertation, Post-doctoral Fellows, and Researchers and Leadership in Education**

**6.1 Successful supervision of PhD students, MPhil & MSc students with decertation, post-doctoral fellows, and researchers**

(a) Please see [Evidence 4 with 4 pages](#). Prof JH Yin has supervised (or is supervising) 34 PhD students and co-supervised 17 PhD students; he supervised 2 MPhil students and 29 MSc students with dissertations, and 40 researchers (post-doctoral fellows, research associate, research assistant, and scholars). The total number is 122.

(This number does not include hundreds of MSc students by taking courses only.)

(b) Outstanding positions and honours of post-graduate students and researchers supervised by Prof JH Yin

Please see [Evidence 4 with 4 pages and the following table](#). Seventeen of post-graduate students and researchers supervised by Prof JH Yin have received outstanding positions and honours such as

- Academician of the Chinese Academy of Engineering (CAE),
- Changjiang Distinguished Professor,
- National Science Foundation for Distinguished Young Scholars,
- National Natural Science Foundation of China (NSFC)'s Excellent Young Scientists Fund
- National "Young Thousand Talents Program",
- "Hundred Talents Program" of the Chinese Academy of Sciences (outstanding foreign talents), and
- Leading talent for hydraulic engineering of the Ministry of Water Resources of China.

**Full C.V. - Jian-Hua YIN, The Hong Kong Polytechnic University**

Name	Research Position	Outstanding Positions and Honours	姓名	杰出职位及荣誉	Note
Yang Chun-He	Research Associate	Academician of the Chinese Academy of Engineering (CAE)	杨春和	中国工程院院士	于 1997 年~1998 年期间在课题组担任副研究员，现任中国科学院武汉岩土力学所研究员(期间发表一高被引论文: Yang, Daemen, and Yin (1999). Experimental investigation of creep behavior of salt rock. International Journal of Rock Mechanics and Mining Sciences 36 233~242。殷教授为通讯作者。
Gao Yu-Feng	Visiting Professor	Changjiang Distinguished Professor of the Ministry of Education, Dean	高玉峰	教育部长江学者特聘教授	于 2001 年 4 月在课题组担任访问教授，现任河海大学教授，土木与交通学院院长
Mei Guo-Xiong	Research Assistant	Changjiang Distinguished Professor of the Ministry of Education	梅国雄	教育部长江学者特聘教授	于 2003 年 4 月~2004 年 4 月在课题组担任研究助理，现任浙江大学求是特聘教授
Zhu Hong-Hu	PhD student	National Science Foundation for Distinguished Young Scholars, Dean	朱鸿鹄	国家杰出青年科学基金获得者	于 2009 年博士毕业，现任南京大学地球科学与工程学院教授、博导，大地探测与感知研究院院长
Zhou Wan-Huan	PhD student	National Natural Science Foundation of China (NSFC)'s Excellent Young Scientists Fund (Hong Kong and Macau), and Head and Deputy Dean	周万欢	国家优秀青年科学基金（港澳）获得者	于 2008 年博士毕业，现任澳门大学土木与环境工程学系主任、教授，工学院副院长
Zhu Hong-Hu	PhD student	National Natural Science Foundation of China (NSFC)'s Excellent Young Scientists Fund, Dean	朱鸿鹄	国家优秀青年科学基金获得者	于 2009 年博士毕业，现任南京大学地球科学与工程学院教授、博导，大地探测与感知研究院院长
Pei Hua-Fu	PhD student	National Natural Science Foundation of China (NSFC)'s Excellent Young Scientists Fund	裴华富	国家优秀青年科学基金获得者	于 2012 年博士毕业，现任大连理工大学土木工程学院教授，香港理工大学首批杰出青年校友奖获得者
Xu Dong-Sheng	PhD student	National Natural Science Foundation of China (NSFC)'s Excellent Young Scientists Fund, Deputy Dean	徐东升	国家优秀青年科学基金获得者	于 2014 年博士毕业，现任武汉理工大学土木工程与建筑学院副院长、教授
Zhuang Jian-Qi	Postdoctoral Fellow	National Natural Science Foundation of China (NSFC)'s Excellent Young Scientists Fund	庄建琦	国家优秀青年科学基金获得者	于 2015 年 1 月~2016 年 12 月在课题组担任博士后研究员，现任长安大学地质工程与测绘学院教授
Ouyang Chao-Jun	Research Fellow	National Natural Science Foundation of China (NSFC)'s Excellent Young Scientists Fund	欧阳朝军	国家优秀青年科学基金获得者	于 2016 年 5 月~2016 年 9 月在课题组担任研究员，现就职于中国科学院水利部成都山地灾害与环境研究所
Shi Xiu-Song	Postdoctoral Fellow	National "Young Thousand Talents Program"	石修松	国家“千人计划”青年项目获得者	于 2016 年 10 月~2017 年 12 月在课题组担任博士后研究员，现任河海大学土木与交通学院教授
Cui Yi-Fei	Undergraduate student	National "Young Thousand Talents Program"	崔一飞	国家“千人计划”青年项目获得者	于 2005 年 9 月~2009 年 6 月在香港理工大学土木与结构工程系攻读本科学位，在课题组完成本科毕业论文。现任清华大学土木与水利学院副教授

Chen Wen-Bo	PhD student	National Natural Science Foundation of China (NSFC)'s Excellent Young Scientists Fund (overseas)	陈文博	国家优秀青年科学基金（海外）获得者	于 2019 年博士毕业，即将任职深圳大学土木与交通工程学院特聘教授
Tan Dao-Yuan	PhD student	National Natural Science Foundation of China (NSFC)'s Excellent Young Scientists Fund (overseas)	谭道远	国家优秀青年科学基金（海外）获得者	于 2019 年博士毕业，即将任职南京大学地球科学与工程学院特聘研究员
Su Li-Jun	PhD student	"Hundred Talents Program" of the Chinese Academy of Sciences (outstanding foreign talents), Deputy Director	苏立君	中国科学院“百人计划”（引进国外杰出人才）获得者	于 2006 年博士毕业，现任中科院成都山地灾害与环境研究所研究员，副所长
Chen Jian	PhD student	"Hundred Talents Program" of the Chinese Academy of Sciences (outstanding foreign talents), group leader	陈健	中国科学院“百人计划”（引进国外杰出人才）获得者	于 2004 年博士毕业，现任中国科学院武汉岩土力学所研究员，课题组长
Wang Yu-Jie	PhD student	Leading talent for hydraulic engineering of the Ministry of Water Resources of China	王玉杰	中国水利部水利领军人才	于 2001 年博士毕业，现任中国水利水电科学研究院教授级高级工程师

## 6.2 Leadership in education

Prof JH Yin has played a leading role in education at university level and department level:

- He is a Senate Member since 2013 and has participated in the advice and approval of various PhD, MSc, BEng/BSci programs.
- He has been in Departmental Management Committee since 2013 and has participated in the management of various PhD, MSc, BEng/BSci programs and subjects (courses).
- He was a Program Leader of 31033 BEng/MEng Program in Civil and Structural Engineering since Sept 2003, playing a leading role in management and development of 31033 BEng/MEng program
- He is outstanding supervisor of final year students (5 to 6 per years). More than fifteen of them received "the best final year project" prize from Hong Kong Institute of Engineers and other prizes based on competition every year from all four local universities with Civil Engineering.
- He was the leading person in development of new M.Sc. subjects of "Soil Behaviour and Geotechnical Modelling", "Advanced Soil Mechanics", and BEng subject "Advanced Geotechnical Design".
- He played a leading role and made contributions in the development of Soil Mechanics Laboratory for teaching and research.
- Eight PhD students supervised by him received prizes from Hong Kong Institute of Engineers or Hong Kong Geotechnical Society for their PhD thesis or papers.

## 7. Invited Talk/ Keynote/ Public Lecture/ High-level Lecture, Plenary Presentation/ Civil Engineering Frontier Lecture/ Specially Invited Report/ Huang Wenxi Lecture

Please see **Evidence 5** with 13 pages. The total number of such talks, keynotes, *etc* is 158.