

Curriculum Vitae



Name	Sangseom Jeong
Postal address	Yonsei University Department of Civil and Environmental Eng. 50 Yonsei-ro, Seodaemun-gu, Seoul, 120-749, Korea Tel : (82)2-2123-2807 Fax : (82)2-364-5300 Mobile : (82)10-2362-4074 E-Mail : soj9081@yonsei.ac.kr
Date/Place of birth	December 13th, 1960, Daejeon, Korea
Citizenship	Korea, Rep.
Family status	Married, one child

BIOGRAPHY

Sangseom Jeong is a professor of Yonsei University, a former president of Korean Geotechnical Society (KGS), a vice chair of TC212 (Deep foundations) in ISSMGE (International Society of Soil Mechanics and Geotechnical Engineering), a chair of Asian TC-18 (Mega Foundations), a president of GIT4CC center. He has authored and served as a reviewer for many geotechnical journals. He has co-edited 15 national geotechnical engineering text books and authored about 98 SCI articles in major reputable international journals, 146 national journals, 106 international conference papers, 80 technical consulting reports and 47 patents in deep and shallow foundations, excavation and slope stability.

EDUCATION

1983.02	B. S., Civil Engineering, Yonsei University, Seoul, Korea
1988.12	M.S., Geotechnical Engineering, University of California Davis, California, USA
1992.08	Ph.D., Geotechnical Engineering, Texas A&M University, Texas, USA Thesis Title: Nonlinear Three Dimensional Analysis of Downdrag on Pile Groups (supervised by Dr. Jean-Louis Briaud)

EXPERIENCE

Educational

1995 - 1997	Assistant Professor, Department of Civil & Environmental Eng., Yonsei Univ.
1997 - 2004	Associate Professor, Department of Civil & Environmental Eng., Yonsei Univ.
2002 - 2003	Visiting Faculty, Department of Civil & Environmental Engineering, University of Huston. International Research with Late Dr. O'Neill.
2004 - present	Professor, Department of Civil & Environmental Engineering, Yonsei University,.
2009 - 2011	Chair, Department of Civil & Environmental Engineering, Yonsei University,
2011 - present	Director, Green Infrastructure Technology for Climate Change (GIT4CC) Center, National Research Foundation of Korea (NRF).

Industrial

1983-1986	Geotechnical Engineer– Daelim Engineering Company in Korea on various topics including oil tank foundations, deep foundations, shallow foundations.
1989-1992	Assistant Researcher – Texas Transportation Institute(TTI) in USA on the National Cooperative Highway project of Downdrag on Bitumen-coated piles.
1992-1994	Senior researcher, Engineering Research Institute of Yonsei University in Korea on the project of anchored tieback walls, laterally loaded pile groups.

SOCIETY MEMBERSHIPS:

International

1996-present	Japan Society of Civil Engineers
1997-present	American Society of Civil Engineers
1998-2001	International Committee ISSMGE - TC33 Scour of Foundations, Core Member
2006-2015	International Committee ISSMGE – Asian TC18 Mega Foundations, Secretary
2015-present	International Committee ISSMGE – Asian TC18 Mega Foundations, Chair
2010-present	International Committee ISSMGE – TC212 Deep Foundations, Vice Chair

National

2010-present	The National Academy of Engineering of Korea, Member
2018-present	National Research Foundation of Korea-Basic Research in Engineering, Chief Review Board (CRB)
2011-2014	National Research Foundation of Korea (NRF), Review Board
2011-2015	Korean Geotechnical Society, Vice President
2015-2017	Korean Society of Civil Engineers, Vice President
2017-2019	Korean Geotechnical Society, President

AWARDS

1997.04	Korean Society of Civil Engineering (KSCE) Best paper award
2004.03	Korean Geotechnical Society (KGS) Best paper award
2005.05	Korean Federation of Science and Technology Societies (KFSTS) Best paper award
2010.03	Minister of Land, Transport and Maritime Affairs (MLTM) Commendation award
2010.03	Korean Society of Civil Engineering (KSCE) Academy award
2010.03	Korean Geotechnical Society (KGS) Academy award
2011.12	Yonsei University Outstanding Teacher award
2015.09	Seoul Metropolitan Civil award
2016.02	Yonsei University Outstanding Research award
2017.02	Yonsei University Outstanding Research award
2019.05	Korea Order of Service Merit Medal

PATENT (last 5 years)

2015.01	Analysis method for bent pile structures with varying cross-section by considering column-pile interaction, Republic of Korea, No. 10-1489707.
2015.01	Memory control algorithm, method and apparatus using the same for fluid numerical analysis based on lattice Boltzmann method, Republic of Korea, No. 10-1489708.
2015.05	Method for simulating clogging of porous material and apparatus and method for evaluating permeability of porous material using the same, Republic of Korea, No. 10-1525512.
2015.08	Method and apparatus for analyzing behavior of debris flow considering entrainment and erosion of bed sediment, Republic of Korea, No. 10-1547069.
2015.08	Method and system for analyzing landslide considering antecedent rainfall and in-situ matric suction, Republic of Korea, No. 10-1547070.
2015.08	Method and system for fully coupled analysis of rainfall infiltration and slope stability using unsaturated constitutive model in sandy soils, Republic of Korea, No. 10-1547090.
2015.11	Method and system for predicting landslides and debris flows based on climate change, Republic of Korea, No. 10-1567262
2015.12	Method and system for real-time prediction and warning of landslides, Republic of Korea, No. 10-1580062
2016.03	Joint plate controlling length of rebar on drilled shaft, Republic of Korea, No. 10-1604658
2017.01	Method and system for predicting damage of seashore structures based on climate change, Republic of Korea, No.10-1695539
2017.12	Method and system of estimating road pavement Damage risk, Republic of Korea, No.10-1812566
2017.12	Design System and Method of Erosion control dam Using Deformation Analysis,

Method, Republic of Korea, No.10-1813903

2018.03 Construction of wireless sensor network system for landslides monitoring and forecast warning, Republic of Korea, No.10-1843007

PUBLICATIONS (last 5 years)

Technical Papers

1. **Sangseom Jeong**, Jaehwan Lee (2015). 3D analytical method for mat foundations considering coupled soil springs. *Geomechanics and Engineering*. (accepted)
2. Joonkyu Lee, **Sangseom Jeong** (2015). Effect of load inclination on undrained bearing capacity of spread footings above voids, *Computers and Geotechnics*, 66, 245-252.
3. Junyoung Ko, **Sangseom Jeong** (2015). Reply to discussion by Fellenius on “Plugging effect of open-ended piles in sandy soil”, *Canadian Geotechnical Journal*. in May.
4. **Sangseom Jeong**, Junyoung Ko (2015). Plugging effect of open-ended piles in sandy soil, *Canadian Geotechnical Journal*. in May.
5. **Sangseom Jeong**, Junyoung Ko, Jinoh Won (2015). Bearing capacity analysis of open-ended piles considering the degree of soil plugging. *Soils and Foundations*, 55(4).
6. **Sangseom Jeong**, Jaehwan Lee, Jaeyeon Cho (2015). Simplified Analysis of Three Dimensional Mega Foundations for High-Rise Buildings. *International Journal of High-Rise Buildings*, 4(4), 241-247.
7. Jaehwan Lee, **Sangseom Jeong**, (2015). Experimental Study of Estimating the Subgrade Reaction Modulus on Jointed Rock Foundations. *Rock Mechanics and Rock Engineering*, 49, 2055-2064.
8. Joonkyu Lee, **Sangseom Jeong**, Sungjune Lee (2016). Undrained Bearing Capacity Factors for Ring Footings in Heterogeneous Soil. *Computers and Geotechnics*, 75, 103-111.
9. Yongmin Kim, **Sangseom Jeong**, Jaehong Kim (2016). Coupled infiltration Model of Unsaturated Porous Media for Steady Rainfall. *Soils and Foundations*, 56(6), 1071-1081.
10. **Sangseom Jeong**, Jeongsik Park, Junyoung Ko, Byungchul Kim (2016). Analysis of Soil Resistance on Drilled Shafts using Proposed Cyclic p-y Curves in Weathered Soil. *Geomechanics and Engineering*, 12(3), 502-522.
11. Yongmin Kim, **Sangseom Jeong** (2017). Modeling of Shallow Landslides in an Unsaturated Soil Slope using a Coupled Model. *Geomechanics and Engineering*, 13(2), 353-370.
12. Junyoung Ko, **Sangseom Jeong** (2017). A Study on Rock Mass Classifications and Support System for Tunnel in Unconsolidated Sedimentary Rock. *Sustainability*, 9(4), 573-591.
13. Junyoung Ko, Jaeyeon Cho, **Sangseom Jeong** (2017). Nonlinear 3D Interactive Analysis of Superstructure and Piled Raft Foundation. *Engineering Structure*, 143, 204-218.

14. **Sangseom Jeong**, Jongjeon Park, Moonhyun Hong, Jaehwan Lee (2017). Variability of Subgrade Reaction Modulus on Flexible Mat Foundation, *Geomechanics and Engineering*, Accepted.
15. **Sangseom Jeong**, Kwangwoo Lee, Junghwan Kim, Yongmin Kim (2017). Analysis of Rainfall-induced Landslides on Unsaturated Soil Slopes. *Sustainability*, 9(7), 1280-1299.
16. Yongmin Kim, hyundo Park, **Sangseom Jeong** (2017). Settlement Behavior of Shallow Foundations in Unsaturated Soils under Rainfall. *Sustainability*. 9(8), 1417-1429.
17. Moonhyun Hong, Junghwan Kim, **Sangseom Jeong** (2017). Rainfall Intensity-Duration Thresholds for Landslide Prediction in South Korea by Considering Effects of Antecedent Rainfall. *Landslides*, 15(3), 523-534.
18. Kwangwoo Lee, **Sangseom Jeong** (2018). Large deformation FE analysis of a debris flow with entrainment of the soil layer. *Computers and Geotechnics*, 96, 258-268.
19. Joonkyu Lee, **Sangseom Jeong**, Youngho Kim (2018). Buckling of tapered friction piles in inhomogeneous soil. *Computers and Geotechnics*, 97, 1-6.
20. **Sangseom Jeong**, Yongmin Kim, Hyundo Park, Jaehong Kim (2018). Effects of rainfall infiltration and hysteresis on the settlement of shallow foundations in unsaturated soil. *Environmental Earth Sciences*, 77(13), 494 1-12.
21. **Sangseom Jeong**, Azman Kassim, Moonhyun Hong, Nader Saadatkah (2018). Susceptibility Assessments of Landslides in Hulu Kelang Area Using a Geographic Information System-Based Prediction Model. *Sustainability*, 10(8), 2941.
22. Hyunsung Lim, **Sangseom Jeong** (2018). Simplified $p-y$ curves under dynamic loading in dry sand. *Soil Dynamics and Earthquake Engineering*, 113, 101-111.
23. Junyoung Ko, Jaeyeon Cho, **Sangseom Jeong** (2018). Analysis of load sharing characteristics for a piled raft foundation. *Geomechanics and Engineering*, 16(4), 449-461.
24. Moonhyun Hong, **Sangseom Jeong**, Jaehong Kim (2019). A combined method for modeling the triggering and propagation of debris flows. *Landslides*, 1-20.
25. Yanghoon Roh, Garam Kim, Incheol Kim, Jinoh Kim, **Sangseom Jeong**, Junhwan Lee (2019). Lessons Learned from Field Monitoring of Instrumented Piled-Raft Bearing in Rock Layer. *Journal of Geotechnical and Geoenvironmental Engineering*, 145(8), 05019005.
26. Kwangwoo Lee, Yongmin Kim, Junyoung Ko, **Sangseom Jeong** (2019). A study on the debris flow-induced impact force on check dam with-and without-entrainment. *Computers and Geotechnics*, 113, 103104.
27. Dohyun Kim, **Sangseom Jeong** (2019). Comparative study of load distribution ratio of various piled raft foundations based on coupled stiffness matrix. *The Structural Design of Tall and Special Buildings*, 28(16), e1669.

28. Dohyun Kim, Jaehong Kim, **Sangseom Jeong** (2019). Estimation of axial stiffness on existing and reinforcing piles in vertical extension remodeled buildings. *Engineering Structures*, 199, 109466.
29. Kwangwoo Lee, **Sangseom Jeong** (2019). Analysis of the impact force of debris flows on a check dam by using a coupled Eulerian-Lagrangian (CEL) method. *Computers and Geotechnics*, 116, 103214.
30. **Sangseom Jeong**, Junyoung Ko, Sunghwa Jung, Junghwan Kim (2019). The Effectiveness of a Wireless Sensor Network System for Landslide Monitoring. *IEEE*, 8, 8073-8086.
31. **Sangseom Jeong**, Moonhyun Hong, Dohyun Kim, Junyoung Ko (2020). The effects of anchored piles on the horizontal and uplift resistances in offshore structures. *Ocean Engineering*, 197, 106833.
32. Yongmin Kim, Hyunsung Lim, **Sangseom Jeong** (2020). Seismic Response of Vertical Shafts in Multi-layered Soil using Dynamic and Pseudo-Static Analyses. *Geomechanics and Engineering*, 21:3, 269-277.
33. Dohyun Kim, **Sangseom Jeong**, Jongjeon Park (2020). Analysis on Shaft Resistance of the Steel Pipe Prebored and Precast Piles based on Field Load-Transfer Curves and Finite Element Method. *Soils and Foundations*, 60:2, 478-495.
34. **Sangseom Jeong**, Dohyun Kim (2020). Estimation of design axial stiffness of reinforcing piles in vertical extension remodelling process using numerical computation. *Engineering Structures*, 214:1, 110623.

Proceedings

1. Dohyun Kim, **Sangseom Jeong**, Kyungyul Kim (2015). FEM based Estimation of EDZ under TBM induced Vibration, *ITA World Tunnel Congress*, May 22-28, Dubrovnik, Croatia.
2. **Sangseom Jeong** (2015). Current Status of Geotechnical Engineering in Korea and Climate Change-Induced Geo-Disaster, *Joint Seminar and Forum on Construction Site Management, Quality Control. International Case Studies and Geotechnics: Immediate Issues and Future Perspectives*, June 18, Ulaanbaatar, Mongolia
3. **Sangseom Jeong**, Junghwan Kim, Yongmin Kim, Kwangwoo Lee (2015). A proposal of geo-hydrological model for susceptibility assessment of landslides under extreme-rainfall events, *NAGOYA 2015 XIX INQUA*, July 26 - August 2, Nagoya, Japan
4. **Sangseom Jeong**, Joonkyu Lee, Junghwan Kim (2015). Susceptibility Assessment of Rainfall induced landslides: A case study of a landslide in Umyeonsan (MT.) KOREA, *INTERNATIONAL CONFERENCE ON LANDSLIDES AND SLOPE STABILITY*, September 27 - 30, Bali, Indonesia
5. **Sangseom Jeong**, Kwangwoo Lee, Hyunsung Lim (2015). Large deformation analysis of debris flow on MT. Umyeonsan Considering entrainment of bed sediment, *INTERNATIONAL CONFERENCE ON LANDSLIDES AND SLOPE STABILITY*, September 27 - 30, Bali, Indonesia
6. Yongmin Kim, **Sangseom Jeong**, Kwangwoo Lee (2015). Instability analysis of rainfall-induced

landslides using hydro-mechanically coupled model, *THE 15th ASIAN REGIONAL CONFERENCE ON SOIL MECHANICS*, November 9 - 12, Fukuoka, Japan

7. **Sangseom Jeong**, Junyoung Ko (2015). Inner skin friction of open-ended piles considering the degree of soil plugging, *THE 15th ASIAN REGIONAL CONFERENCE ON SOIL MECHANICS*, November 9 - 12, Fukuoka, Japan
8. **Sangseom Jeong**, Seungjun Lee, Dohyun Kim (2015). Failure case study of offshore batter drilled shafts subjected to seabed, *THE 15th ASIAN REGIONAL CONFERENCE ON SOIL MECHANICS*, November 9 - 12, Fukuoka, Japan
9. **Sangseom Jeong**, Yongmin Kim, Kwangwoo Lee, Junghwan Kim (2015). Advances in debris-flow hazard assessment in mountainous area, *THE 15th ASIAN REGIONAL CONFERENCE ON SOIL MECHANICS*, November 9 - 12, Fukuoka, Japan
10. **Sangseom Jeong**, Gyongja Jung, Dohyun Kim, Jongjeon Park (2016). Analysis of skin friction in prebored and precast piles, *The 6th KGS-JGS Geotechnical Workshop*, September 12, Okayama, Japan
11. **Sangseom Jeong**, Hyoungkwan Kim, Hojeong Kang (2016). Adaptation technology of infrastructure under climate change, *World Conference on Climate Change*, October, 24-26, Valencia, Spain
12. **Sangseom Jeong**, Junghwan Kim, Kwangwoo Lee, Moonhyun Hong (2016). Susceptibility assessment of climate change-induced geo-disasters in South Korea, *World Conference on Climate Change*, October, 24-26, Valencia, Spain
13. **Sangseom Jeong**, Hyunsung Lim (2017). Proposed 3-D Analytical Method for Piled Raft Foundation, *2017 International Symposium on Design And Analysis of Piled Raft Foundation*, September, 12-13, New Taipei City, Taiwan
14. Dohyun Kim, **Sangseom Jeong** (2017). Analysis of skin friction behavior in prebored and precast piles based on field loading test using proposed t-z curve, *6th International Young Geotechnical Engineers' Conference*, September, 16-17, Seoul, Korea
15. **Sangseom Jeong**, Dohyun Kim, Jongjeon Park (2017). Overcoming the gap between the theoretical estimation and the measured values, *19th International Conference on Soil Mechanics and Geotechnical Engineering*, September, 17-22, Seoul, Korea
16. Moon-Hyun Hong, **Sang-Seom Jeong**, Jung-Hwan Kim, Yong-Chai Chang (2017). Proposed Korea Rainfall Thresholds for Landslides over bedrock, *19th International Conference on Soil Mechanics and Geotechnical Engineering*, September, 17-22, Seoul, Korea
17. **Sangseom Jeong**, Jongjeon Park, Kwang-Ho You (2017). Analytical Method of Mega Foundations for High-Rise Buildings, *19th International Conference on Soil Mechanics and Geotechnical Engineering*, September, 17-22, Seoul, Korea
18. **Sangseom Jeong**, Dohyun Kim, Jongjeon Park (2017). Skin Friction of Prebored and Precast Piles in Weathered Rocks, *International Conference on "Advancement of pile technology and pile case histories" PILE 2017*, September, 25-27, Bali, Indonesia
19. Hyunsung Lim, **Sangseom Jeong**, Moonkyung Chung (2018). Analysis of Soil Resistance on Laterally Loaded Offshore Piles on Incheon Marine Clay, *International Conference on "Innovations in Geotechnical Engineering"*, March, 7, Orlando, Florida

20. **Sangseom Jeong**, Dohyun Kim, Kiseok Kwak (2018). Failure Case Study of Offshore Battered Drilled Shafts due to Seabed Rock Scouring, *International Conference on "Innovations in Geotechnical Engineering"*, March, 7, Orlando, Florida
21. Moonhyun Hong, Junghwan Kim, Sunghwa Jung, **Sangseom Jeong** (2018). A study on regional scale landslide predictions with probabilistic rainfall thresholds and physical model, *The 4th International Conference on Computational Design in Engineering(CODE2018)*, April, 1-5, Changwon, Korea
22. **Sangseom Jeong**, Jeongsik Park, Moonhyun Hong, Junghwan Kim, Kwangwoo Lee (2018). Unified Prediction method for the rainfall-induced landslides and debris flows, *International Symposium on Geotechnics of Transportation Infrastructure*, April, 7-8, Delhi, India
23. **Sangseom Jeong** (2018). Early warning systems for rainfall - included landslides in unsaturated mountains slope, *5th Korea - Japan Joint workshop on Unsaturated Soils*, May, 18 Seoul, Korea
24. Joonkyu Lee, **Sangseom Jeong** (2018). Rheological and Structural characterizations of mine tailings and fly ash mixtures, *17th Global Joint Seminar on Geo Environmental Engineering (GEE 2018)*, May, 25-26, Fukuoka, Japan
25. Kwangwoo Lee, **Sangseom Jeong** (2018). Analysis of rainfall induced debris flow considering wetting band depth and soil entrainment, *7th Korea-Japan Geotechnical Engineering Workshop*, August, 23, Incheon Univ, Korea
26. **Sangseom Jeong**, Junghwan Kim, Junyoung Ko, Moonhyun Hong (2018). A wireless sensor network technique and its application in landslide monitoring, *7th Korea-Japan Geotechnical Engineering Workshop*, August, 23, Incheon Univ, Korea
27. **Sangseom Jeong**, Moonhyun Hong, Junghwan Kim, Sunghwa Jung (2018). Practicality of wireless sensor network technique in regional landslide monitoring, *Second JTC1 Workshop Triggering and Propagation of Rapid Flow-like Landslides*, December, 3-5, Hongkong
28. Moonhyun Hong, **Sangseom Jeong** (2018). Benchmarking exercise of landslide runout analysis considering fluid dynamics and soil entrainment, *Second JTC1 Workshop Triggering and Propagation of Rapid Flow-like Landslides*, December, 3-5, Hongkong
29. Kim K.H, Jeong J.H, Shin J.H, Kim S.H, **Jeong S.S** (2019). Forensic study on tunnel collapse in deep and fractured rock, *World Tunnel Congress*, May, 3-9, Italia
30. Kwangwoo Lee, **Sangseom Jeong**, Hyunki Kim (2019). Numerical analysis on the behavior of debris flows and impact force on check dams, *7th International Conference on Debris-Flow Hazards Mitigation*, June, 10-13, Golden, Colorado, USA
31. **Sangseom Jeong**, Jongjeon Park, Dohyun Kim, Moonkyung Chung (2019). Analysis of Shear Load-Transfer Curve of Prebored and Precast Steel Pile, *The XVII European Conference on Soil Mechanics and Geotechnical Engineering*, September, 1-6, Reykjavik, Island
32. **Sangseom Jeong**, Kwangwoo Lee (2019). Entrainment effect on impact force of debris flow on check dam by using coupled Lagrangian-Eulerian(CEL) method, *16th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering*, October, 14-18, Taipei, Taiwan
33. **Sangseom Jeong**, Hunsung Lim (2019). Dynamic behavior of single pile from 1g shaking table tests, *16th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering*, October,

14-18, Taipei, Taiwan

34. **Sangseom Jeong**, Dohyun Kim (2019). Load-sharing ratio of prebored and precast piles in piled-raft foundations socketed in weathered rock, *16th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering*, October, 14-18, Taipei, Taiwan
35. **Sangseom Jeong**, Jongjeon Park, Dohyun Kim (2019). Shaft resistance characteristics of steel pipe prebored and precast piles based on field loading tests, *16th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering*, October, 14-18, Taipei, Taiwan
36. **Sangseom Jeong** (2019). Climate change-induced adaptation technology for infrastructure, *The International Emergency Management Society 2019 Annual Conference*, November, 12-15, Goyang Gyeonggi-Do, Korea
37. Moonhyun Hong, **Sangseom Jeong** (2019). Geo disaster-induced landslides and debris flows in Region scale area, *The International Emergency Management Society 2019 Annual Conference*, November, 12-15, Goyang Gyeonggi-Do, Korea
38. Sumin Song, **Sangseom Jeong** (2019). A New End Bearing Capacity Equation on Large Diameter Open-Ended Steel Piles considering Plugging Effect, *GEOTEC HANOI 2019*, November, 28-29, Hanoi, Vietnam
39. **Sangseom Jeong**, Mohammed Aslam (2019). Strength Recovery in Liquefied Korean Weathered Soil, *3rd Indo-Korea Joint Geotechnical Engineering Workshop on Geotechnical Issues for Urbanisation*, December, 18-21, Surat, India

RESEARCH PROJECTS (last 5 years)

1. Green Infrastructure Technology for Climate Change. Sponsor Korean Research Foundation. 2011-2018.
2. Evaluation of bearing capacity on large-diameter driven piles considering soil plugging. Sponsor Korea Steel Association. 2013-2015.
3. Earth anchored wall of Dongtan railroad station, Sponsor Korea Railroad corporation. 2014-2015.
4. Development of Rational Seismic Analysis Methods for Offshore Jacket-type Structures. Sponsor Korean Research Foundation. 2015-2017.
5. Performance-enhanced technics of mega foundations and bearing capacity evaluate of large diameter. Sponsor Korean Geotechnical Society. 2016-2021.
6. Smart response system for urban disaster and health resilience under climate change. Sponser Korean Research Foundation. 2018-2027.

Invited Lectures

1. Keynote Lecturer (2010). Simplified Analysis of Piled Raft Foundation for High-Rise Building, The 4th Asian Workshop on ATC 18 Mega Foundations, September 16, Maharashtra, India.
2. Keynote Lecturer (2012). A Current Status and Optimal Design of Mega Foundations for High-Rise Buildings, *International Joint Symposium on Urban Geotechnics for Sustainable Development (JS-Seoul 2012)*, November 2~3, Suwon, Korea.

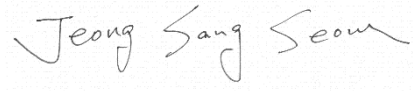
3. Keynote Lecturer (2013). Geotechnical Design of Large Diameter Drilled Shafts for Incheon Grand Cable Stayed Bridge, *International Conference on Pile 2013*, June 2~4, Bandung, Indonesia.
4. Keynote Lecturer (2014). Case Study of Mega Foundation Design, *International Workshop*, July 22, Tokyo, Japan.
5. Keynote Lecturer (2017). Proposed 3-D Analytical Method for Piled Raft Foundations, *2017 International Symposium on Design and Analysis of Piled Raft Foundations*, September 12~13, New Taipei City, Taiwan.
6. Keynote Lecturer (2017). Skin Friction of Prebored and Precast Piles in Weathered Rocks, *International Conference on Pile 2017*, September 25~27, Bali, Indonesia.
7. Keynote Lecturer (2018). Unified Prediction method for the rainfall-induced landslides and debris flows, *International Symposium on Geotechnics for Transportation Infrastructure 2018*, April 7~8, Delhi, India.
8. Keynote Lecturer (2018). Early warning systems for rainfall-included landslides in unsaturated mountainous slope, *5th Korea-Japan Joint Workshop on Unsaturated Soils*, May 18, Seoul, Korea.
9. Keynote Lecturer (2018). A wireless sensor network technique and its application in landslide monitoring, *7th Korea-Japan Geotechnical Engineering Workshop*, August 23, Incheon Univ., Korea
10. Invited Lecturer (2019). Mega Foundations for High-rise Buildings and Grand Bridges, *CEE of University of Nebraska-Lincoln*, June 13~14, Nebraska, United States of America.
11. Invited Lecturer (2019). Unified prediction method for the rainfall-Induced landslides and debris flows, *Norway Geotechnical Institute*, September 6~8, Oslo, Norway.
12. Keynote Lecturer (2019). Adaptation technology of infrastructure under climate change, *The International Emergency Management Society 2019 Annual Conference*, November 12~15, Goyang, Korea.
13. Keynote Lecturer (2019). Strength Recovery in Liquefied Korean Weathered Soil, *3rd Indo-Korea Joint Geotechnical Engineering Workshop on Geotechnical Issues for Urbanisation*, December 18~21, Surat, India.

Books (edited)

1. Foundation Engineering (2009), Kyobobook, Korea.
2. Linear and Non-Linear numerical analysis of foundations (2009), Taylor and Francis, UK.
3. Foundation Engineering Manual (2013), Ministry of Land, Transport and Maritime Affairs, Korea.
4. Cable Bridge Design Guidelines: substructure - Limit State Design Methods (2015), Ministry of Land, Transport and Maritime Affairs, Korea.
5. The Harmony of Land and Civilization, Geotechnical Engineering (2019), CIR, Korea
6. Design the future with the eyes of Engineering (2019), Hainaim, Korea
7. Climate Change-Induced Infrastructure Design Manual (2019), KSCE PRESS, Korea

Seoul, June 25, 2020

Prof. Sangseom Jeong, Ph.D.

A handwritten signature in black ink, reading "Jeong Sang Seom". The signature is written in a cursive, flowing style. The first name "Jeong" is followed by "Sang" and then "Seom". The signature is placed on a light gray, textured rectangular background.