

KAZUHITO KOMIYA PhD

Chancellor's Professor (Former President)
Chiba Institute of Technology
2-17-1 Tsudanuma
Narashino, Chiba
275-8588 JAPAN

Personal Background

Place of Birth Tokyo, JAPAN (Japanese nationality)
Education Kasumigasekikita Primary School, Kasumigaseki Secondary School, Kawagoe High School, Japan

Higher Education/Degree

1989-1992 **Waseda University, JAPAN**
Ph.D. in Civil Engineering,
Major : Geotechnical Engineering
Minors : Soil Mechanics and Computational Mechanics
Dissertation "Numerical analyses on mechanical behaviour of soil during shield tunnelling"
Research Advisor : Professor Hirokazu Akaki

1987-1989 **Waseda University, Japan**
Master of Engineering, Geotechnical Engineering emphasis
Dissertation "Deformation due to secondary injection during shield work in soft clayey ground"
Research Advisor : Professors Hirokazu Akaki

1983-1987 **Waseda University, Japan**
Bachelor of Science (Civil Engineering)

Employment

29.06.2020-28.06.2024 **Chiba Institute of Technology, Japan**, Executive Advisor (full-time)
29.06.2012-28.06.2020 **Chiba Institute of Technology, Japan**, President (full-time)
01.04.2001-present **Chiba Institute of Technology, Japan**, Professor (full-time)
18.03.1999-31.03.2001 **Chiba Institute of Technology, Japan**, Associate Professor (full-time)
21.04.1998-18.03.1999 **University of Cambridge, UK**, Research Associate (full-time)
01.04.1998-20.04.1998 **Chiba Institute of Technology, Japan**, Associate Professor (full-time)
01.04.1996-31.03.1998 **Chiba Institute of Technology, Japan**, Lecturer (full-time)
01.04.1994-31.03.1996 **Chiba Institute of Technology, Japan**, Research Associate (full-time)
01.04.1991-31.03.1994 **Waseda University, Japan**, Research Associate (full-time)

01.04.2011-31.03.2012 **Waseda University, Japan**, Lecturer, (part-time)
01.04.2001-31.03.2009 **National Chiba University, Japan**, Guest Professor (part-time)
19.03.1999-27.08.2000 **University of Cambridge, UK**, Assistant Lecturer (part-time)
01.04.1996-present **Waseda University, Japan**, Invited Researcher (part-time)

Professional Affiliations

2022 - present *Member*, World Education Fellowship (WEF).
2000 - present *Member*, Institution of Civil Engineers, UK.
2000 - present *Member*, British Geotechnical Association, UK.
2000 - present *Member*, Japanese Society for Experimental Mechanics, Japan
1997 - 2021 *Member*, Architectural Institute of Japan, Japan
1989 - present *Member*, Society of Material Science, Japan
1991 - present *Member*, Japan Tunnelling Association, Japan
1989 - present *Member*, Japan Society of Civil Engineers, Japan
1987 - present *Member*, Japanese Geotechnical Society, Japan

Awards/Honors

2022	The 2022 Achievement Award, The Japan Kanto Society for Engineering Education
2017	The 2017 Achievement Award, The Japan Kanto Society for Engineering Education
2014	Honorary Professor, Jilin University, China
2013	The 2012 Faculty Development Award, The Japanese Association of University Physical Education
1999	Lifetime Membership, The Darwin College Association
1999	Lifetime Membership, The Cambridge University Association
1989	Ohkuma Memorial Scholarship

Invited Visiting Appointments

1995	Visiting Researcher, University of Cambridge, UK. (March)
1996 - present	Guest Researcher, Waseda University, Japan
1996	Visiting Researcher, Harbin Institute of Technology, China (September)
1998 - 1999	Visiting Member, Darwin College, Cambridge UK.
2001 - 2009	Guest Professor, National Chiba University, Japan
2001	Visiting Professor, University of Colorado at Boulder, USA. (July - August)
2004	Visiting Professor, Harbin Institute of Technology, China (August)
2008	Visiting Professor, National Taipei University of Technology, Taiwan (March)
2013	Honored guest by president, National Taipei University of Technology, Taiwan (July)
2013	Honored guest by president, Jilin University, China (October)
2013	Honored guest by president, Harbin Institute of Technology, China (October)
2013	Honored guest by president, Hanoi University of Science and Technology, Vietnam (December)
2013	Honored guest by president, Vietnam National University of Technology, Vietnam (December)
2014	Honored guest by president, University of Guam, U.S.A. (February)
2014	Honored guest by president, Institut Teknologi Bandung, Indonesia (March)
2014	Honored guest by president, Vietnam National University of Languages & Int. Studies, Vietnam (July)
2014	Honored guest by president, Royal University of Phnom Penh, Kingdom of Cambodia (August)
2015	Honored guest by president, Thai-Nichi Institute of Technology, Vietnam (January)
2015	Honored guest by president, FPT University, Vietnam (January)
2015	Honored guest by president, Vietnam National University Hanoi University, Vietnam (January)
2015	Honored guest by president, University of Saint Joseph, Macao, China (May)
2015	Honored guest by president, Tunghai University, Taiwan (September)
2015	Honored guest by dean, National Taiwan University, Taiwan (September)
2015	Honored guest by president, Amity University, Republic of India (October)
2016	Honored guest by president, The Technological University of Aguascalientes, United Mexican States (April)
2016	Honored guest by president, The Technological University of Tecamachalco, United Mexican States (April)
2016	Honored guest by dean, Chulalongkorn University, Thailand (September)
2016	Honored guest by president, Thai-Nichi Institute of Technology, Thailand (September)
2016	Honored guest by president, Mongolian University of Science and Technology, Mongolia (November)
2016	Honored guest by president, Thai Nguyen University, Vietnam (November)
2016	Honored guest by president, Vietnam National University Hanoi University, Vietnam (November)
2017	Honored guest by dean, Ruhr-Universitat Bochum, Germany (April)
2017	Honored guest by president, Mongolian University of Science and Technology, Mongolia (July)
2017	Honored guest by president, Institute of Engineering & Technology, Mongolia (July)
2017	Honored guest by president, National University of Mongolia, Mongolia (July)
2017	Visiting Professor, Chulalongkorn University, Thailand (June) (August)
2017	Honored guest by president, Thai-Nichi Institute of Technology, Thailand (August)
2018	Honored guest by dean, Lund University, Kingdom of Sweden (April)
2018	Honored guest by dean, Chulalongkorn University, Thailand (June)
2018	Honored guest, The 10th anniversary of Thai-Nichi Institute of Technology, Thailand (June)
2018	Honored guest by president, Universiti Sains Malaysia, Malaysia (November)
2019	Honored guest by president, National Cheng Kung University, Taiwan (March)
2019	Honored guest by president, National Taipei University of Technology, Taiwan (March)
2019	Honored guest by president, DePawu University, USA. (May)
2019	Honored guest by president, University of Guam, USA. (August)
2019	Honored guest, The 60th anniversary of Mongolian University of Sci. & Tech., Mongolia (November)

Professional Activities (since 2000)

Governments

- *Member*, Committee for National Civil Service Examination, Japan National Personnel Authority (2011-2013)
- *Member*, Committee for National Civil Service Examination, Japan National Personnel Authority (2010-2011)
- *Inspector for Private Education Institutions*, Japan Ministry of Education, Culture, Sports, Science and Technology
- *Member*, Advisory Committee for the Impact upon the Environment associated with the Public Use of the Deep Underground, Japan Ministry of Construction (2002-2004)
- *Member*, Grants-in-aid for Scientific Research Committee, Japan Society for the Promotion of Science (2011-2013)
- *Member*, Grants-in-aid for Scientific Research Committee, Japan Society for the Promotion of Science (2008-2009)
- *Science Advisory Committee Member*, Large-scale Earthquake Simulator, National Research Institute for Earth Science and Disaster Resilience (2009-2011)
- *Lecturer*, Waterworks Bureau, Tokyo Metropolitan Government (2000-2001)
- *Member*, Commission Delegated to Propose Plans for Future Activities and Developments, Narashino City Council, Japan (2011-2013)
- *Director*, Chiba Museum of Science and Industry, Chiba Prefecture, Japan (2012-2020)
- *Trustee*, Industrial Promotion Center, Chiba Prefecture, Japan (2012-present)
- *Member*, Brite Euram III Program, European Commission (1998-2000)
- *Invited Researcher*, Industrial & Material Technologies Program, European Commission (1998-2000)
- *Invited Researcher*, European Council for Construction Research, Development and Innovation, European Council (1998-2000)

Associations etc.

- *President*, The Japan Kanto Society for Engineering Education, Japan (2016-2017)
- *President*, 29th All Japan University Student of Science and Technology Karatedo Championships, All Japan University of Science and Technology Karatedo Federation (2016)
- *Vice-President*, The Japan Kanto Society for Engineering Education, Japan (2015-2016)
- *Managing Director*, The Japan Universities Association for Computer Education (2017-2022)
- *Executive Director*, The Japan Kanto Society for Engineering Education, Japan (2017-present)
- *Executive Director*, The Japan Kanto Society for Engineering Education, Japan (2012-2015)
- *Director*, Japanese Geotechnical Society (2011-2013)
- *Representative*, Japanese Geotechnical Society (2006-2010)
- *Delegate*, Japanese Geotechnical Society (2003-2006)
- *Trustee*, The Japanese Society for Experimental Mechanics (2001-2008)
- *Editorial Writer*, The Japan Society of Civil Engineers (2019-present)
- *Member*, International Technical Committee 305 on Geotechnical Infrastructure for Megacities and New Capitals, The International Society of Soil Mechanics and Geotechnical Engineering (2014-present)
- *Director*, Journal Section, Japanese Geotechnical Society (2012-2013)
- *Member*, Awards Committee, Japanese Geotechnical Society (2011-2013)
- *Member*, International Technical Committee 204 on Underground Construction in Soft Ground, The International Society of Soil Mechanics and Geotechnical Engineering (2010-2014)
- *Science Advisory Member*, Review Board on The Recognition of Certified Skilled Jet Grout Construction Engineers, Japan Jet Grout Association (2009-present)
- *Science Advisory Member*, Review Board on The Recognition of Certified Skilled Construction Technicians, Japan Grout Association (2009-present)
- *Secretary*, The President's Special Committee, The Japan Society of Civil Engineers, 2008-2010
- *Science Advisory Member*, Review Board on The Recognition of Senior Professional Civil Engineer, The Japan Society of Civil Engineers (2006-2010)
- *Secretary*, Technical Session 2c, 16th International Conference of Soil Mechanics and Geotechnical Engineering (2005-2008)
- *Member*, Awards Committee, The Japan Society of Civil Engineers (2004-2005)
- *Vice-Chair*, Selection Committee for JSCE Book Awards, The Japan Society of Civil Engineers (2004-2005)
- *Member*, Geotechnical Mechanics Division, The Society of Material Science, Japan (2003-2011)
- *Expert Reviewer (English Editor)*, Journal of Japanese Geotechnical Society, Japanese Geotechnical Society (2003-2007)
- *Member*, International Technical Committee 28 on Underground Construction in Soft Ground, The International Society

- of Soil Mechanics and Geotechnical Engineering (2002-2009)
- *Science Advisory Member*, International Education Division, Japan Tunnelling Association (2002-2008)
- *The Chief Examiner*, The Civil Engineering and Architecture Division, The Japanese Society for Experimental Mechanics (2001-2008)
- *Advisory Committee Member*, Notational Convention for Publications, Japanese Geotechnical Society, (2000-2001)
- *Secretary*, Selection Committee for JSCE Book Awards, The Japan Society of Civil Engineers (2000-2003)
- *Examiner*, The Geotechnical Engineering Division of The 2000 Annual Meetings of JSCE, The Japan Society of Civil Engineers (2000)
- *Science Advisory Member*, Field Tests of Long-term Durability of Improved Ground, Japan Grout Association (2000-2005)
- *Science Advisory Member*, Ground Excavation Committee, Japan Tunnelling Association (1999-2003)
- *Member*, Tunnel Engineering Committee, Technical Subcommittee, Excavation Process of Shield Tunnel Construction Based on The Soil Mechanics, The Japan Society of Civil Engineers (2022-)
- *The Rebuilding Council Member*, Nihon University (2021-)
- *External evaluation committee member*, Taisho University (2023-)
- *Member*, Committee on verification of digital systems in grouting, Japan Grout Association (2024-)

Editor

- *Editor-in-Chief*, Journal of Japanese Geotechnical Society, Japanese Geotechnical Society (2012-2013)
- *Editorial Board Member*, Journal of The Japan Society of Civil Engineers, The Japan Society of Civil Engineers (2010-2015)
- *Editorial Board Member*, Journal of Tunnel Engineering, The Japan Society of Civil Engineers (2006-2009)
- *Editorial Board Member*, Soils and Foundations, Japanese Geotechnical Society (2005-2008)
- *Editorial Board Member*, Theory, Design and Construction of Chemical Injection Method, Japanese Geotechnical Society (2004-2009)
- *Deputy Editor*, Underground Construction Technology in Japan, Japanese Geotechnical Society (2003-2006)
- *Editorial Board Member*, Journal of The Japan Society of Civil Engineers, The Japan Society of Civil Engineers (2002-2004)
- *Chief Examiner*, The Geotechnical Engineering Division of The 2004 Annual Meetings of JSCE, The Japan Society of Civil Engineers (2002-2004)
- *Examiner*, The Geotechnical Engineering Division of The 2001 Annual Meetings of JSCE, The Japan Society of Civil Engineers (2001)
- *Editorial Board Member*, Geotechnical Series Books, Japanese Geotechnical Society (2001-2008)
- *Editorial Board Member*, Journal of The Japanese Society for Experimental Mechanics (2001-2008)
- *Editorial Board Member*, Serial Lecture of Journal of Japanese Geotechnical Society, Japanese Geotechnical Society (1999-2002)

Lectures/Speech/Keynote/Speaker/Seminar (in-person meeting only)

2024

April	Keynote Lecture	The 36th Congress of International P2M Association, Chiba, Japan
February	Advisory Board Speech	Taisho University, Tokyo, Japan
January	Seminar	Institute of Economic Research, Kyoto University
January	Vice President Roundtable	Kyoto University

2023

September	Invited lecture	Council of experts on education and research activities, Tamagawa University
July	Seminar	Institute of Economic Research, Kyoto University
June	Advisory Board Speech	Taisho University, Tokyo, Japan
April	Advisory Board Guest Speech	Josai University, Tokyo, Japan

2022

June	Advisory Board Guest Lecture	Chubu University, Aichi Japan
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June	Seminar	Institute of Economic Research, Kyoto University
April	Invited Lecture	Nihon Pharmaceutical University, Saitama, Japan
March	Advisory Board Guest Lecture	Chubu University, Aichi Japan
March	Commemorative speech	Ordinary general meeting of the society for researches and investigations of university & college management, Tokyo, Japan
2019		
November	Seminar	Murray Edwards College, Cambridge, UK
November	Seminar	Corpus Christi College, Cambridge, UK.
October	Seminar	Stanford University, Stanford, USA.
September	Theme Lecture	4th Mexico-Japan Rectors' Summit, Colegiode México(COLMEX), United Mexican States
August	Seminar	University of Guam, Guam, USA.
July	Commemorative speech	Mongolian National Institute of Technology, Ulaanbaatar, Mongolia
July	Invited Lecture	Daiwa Securities Seminar, Tokyo, Japan
July	Invited Lecture	Japan vice principals' association of high school, Chiba, Japan
May	Commemorative speech	DePawu University, Indiana Greencastle, USA.
March	Commemorative speech	National Cheng Kung University, Tainan, Taiwan
March	Commemorative speech	National Taipei University of Technology, Taipei, Taiwan
February	Invited Lecture	Chubu University, Aichi, Japan
February	Seminar	Murray Edwards College, Cambridge, UK
February	Seminar	Corpus Christi College, Cambridge, UK.
2018		
November	Seminar	National University of Singapore, , Singapore
November	Commemorative speech	Universiti Sains Malaysia, Penang, Malaysia
October	Seminar	Institute of Economic Research, Kyoto University
June	Seminar	Thai-Nichi Institute of Technology, Bangkok, Thailand
June	Commemorative speech	Chulalongkorn University, Bangkok, Thailand
April	Seminar	Murray Edwards College, Cambridge, UK
April	Seminar	UK Research and Innovation
April	Commemorative speech	Lund University, Lund, Kingdom of Sweden
April	Seminar	Deutsche Auslandsvertretungen in Japan, Tokyo, Japan
March	Speaker	IFCEE 2018, Orlando, USA.
March	Seminar	Rollins College, WinterPark, USA.
January	Seminar	Murray Edwards College, Cambridge, UK
January	Seminar	University of Cambridge, Cambridge, UK.
January	Seminar	UK Research and Innovation
2017		
November	Speaker	3rd Mexico-Japan Rectors' Summit, Hiroshima, Japan
October	Seminar	University of California-Berkeley, Berkeley, USA.
August	Seminar	Institute of Economic Research, Kyoto University
August	Invited Lecture	Chulalongkorn University, Bangkok, Thailand
July	Commemorative speech	National University of Mongolia, Ulaanbaatar, Mongolia
July	Invited Lecture	Mongolian University of Science and Technology, Ulaanbaatar, Mongolia
July	Speaker	Mongolia Ministry of Education, Ulaanbaatar, Mongolia
July	Seminar	Institute of Engineering & Technology, Ulaanbaatar, Mongolia
June	Seminar	CERN, Geneva, Switzerland
June	Invited Lecture	Kindai University, Fukuoka, Japan
June	Seminar	Murray Edwards College, Cambridge, UK
June	Seminar	University of Cambridge, Cambridge, UK.
April	Commemorative speech	Ruhr-Universitat Bochum, Bochum, Germany
April	Seminar	University of Innsbruck, Innsbruck, Austria

April	Speaker	EURO:TUN 2017 conference, Innsbruck, Austria
February	Seminar	Institute of Economic Research, Kyoto University
2016		
November	Invited Lecture	Maruzen-Yumatsudo Top Management Seminar, Tokyo, Japan
November	Commemorative speech	Mongolian University of Science and Technology, Ulaanbaatar, Mongolia
November	Seminar	Vietnam National University Hanoi University of Technology, Hanoi, Vietnam
November	Commemorative speech	Thai Nguyen University, Thai Nguyen, Vietnam
September	Seminar	Thai-Nichi Institute of Technology, Bangkok, Thailand
September	Commemorative speech	Chulalongkorn University, Bangkok, Thailand
September	Seminar	Institute of Economic Research, Kyoto University
June	Invited Lecture	Kanagawa Private University Council, Yokohama, Japan Ministry of Foreign Affairs United Mexican States, Mexico City, United Mexican States
20 th April	Negotiations*	* Professor Komiya visited the Mexican Ministry of Foreign Affairs at the request of the Mexican Embassy in Japan. He negotiated for the acceptance of international students from Mexico through special entrance examinations, tuition fees, dormitory fees, and dormitory meal expenses, and requested cooperation requested cooperation for student recruitment. After returning to Japan, he received a letter of appreciation from the Ambassador of Mexico to Japan, His Excellency Carlos Fernando Almada López, for his successful negotiations.
April	Commemorative speech	The Technological University of Tecamachalco, Tecamachalco, United Mexican States
April	Invited Lecture	The Technological University of Aguascalientes, Aguascalientes, United Mexican States
April	Commemorative speech	State government of Aguascalientes, Aguascalientes, United Mexican States
2015		
October	Keynote Lecture	Kanto salon of The Japan Kanto Society for Engineering Education, Tokyo, Japan
October	Seminar	Indian Institute of Technology , Delhi, Republic of India
October	Commemorative speech	Amity University, Delhi, Republic of India
September	Seminar	National Taipei University of Technology, Taipei, Taiwan
September	Commemorative speech	National Taiwan University, Taipei, Taiwan
September	Commemorative speech	Tunghai University, Taichung, Taiwan
September	Invited Lecture	Chiba committee for entrepreneur, Chiba, Japan
August	Invited Lecture	Japan principal's association of technical high school, Chiba, Japan
August	Invited Lecture	Daigakujiin conference for lifelong education, Tokyo, Japan
August	Invited speaker	6th Japan-China Geotechnical Symposium, Sapporo, Japan
July	Seminar	Netwok Rail, Canterbury, UK.
May	Commemorative speech	University of Saint Joseph, Macao, China
May	Invited Lecture	Collabo Sankangaku, Chiba, Japan
March	Seminar	Netwok Rail, Canterbury, UK.
March	Invited Lecture	National Institute of Technology Ibaraki College, Ibaraki, Japan
January	Commemorative speech	Thai-Nichi Institute of Technology, Bangkok, Thailand
January	Commemorative speech	FPT University, Bangkok, Thailand
January	Seminar	Vietnam National University Hanoi University of Technology, Hanoi, Vietnam
January	Invited Lecture	Amity University, Delhi, Republic of India
January	Seminar	Institute of Economic Research, Kyoto University
2014		
December	Seminar	University of Cambridge, Cambridge, UK.
November	Honorary lecture	Jilin University, Changchun, China
October	Invited Lecture	Nagasaki University, Nagasaki, Japan
August	Commemorative speech	Royal University of Phnom Penh, Phnom Penh, KingdomofCambodia
July	Lecture	Waseda University, Tokyo, Japan
July	Special Lecture	The Institution of Professional Engineers, Chiba, Japan

July	Commemorative speech	Vietnam National University Hanoi University of Languages and International Studies, Hanoi, Vietnam
May	Seminar	University of Cambridge, Cambridge, UK.
March	Seminar	Institut Teknologi Bandung, Bandung, Republik Indonesia
February	Commemorative speech	University of Guam, Guam, USA.
2013		
December	Seminar	University of Cambridge, Cambridge, UK.
October	Commemorative speech	Vietnam National University Hanoi University of Technology, Hanoi, Vietnam
December	Commemorative speech	Hanoi University of Science and Technology, Hanoi, Vietnam
October	Lecture	Jilin University, Changchun, China
September	Invited Lecture	18th International Conference of Soil Mechanics and Geotechnical Engineering, Paris, France
July	Commemorative speech	National Taipei University of Technology, Taipei, Taiwan
April	Seminar	Ruhr-Universitat Bochum, Bochum, Germany
April	Keynote Lecture	EURO:TUN 2013 conference, Bochum, Germany
January	Seminar	Murray Edwards College, Cambridge, UK
January	Seminar	University of Cambridge, Cambridge, UK.
2012		
September	Speaker	15th WCEE, Lisbon, Portugal
2011		
June	Speaker	ICEDyn 2011, Tavira, Portugal
January	Seminar	Murray Edwards College, Cambridge, UK
January	Seminar	University of Cambridge, Cambridge, UK.
2010		
July	Speaker	4th International Conference on Advanced Computational Engineering and Experimenting, Paris, France
June	Plenary	The International Geotechnical Conference Geotechnical Challenges in Megacities, Moscow, Russia
2009		
December	Seminar	National Taiwan University, Taipei, Taiwan
December	Seminar	Murray Edwards College, Cambridge, UK
October	Seminar	University of Cambridge, Cambridge, UK.
October	Seminar	Cranfield University, Cranfield, UK.
September	Seminar	Ruhr-Universitat Bochum, Bochum, Germany
September	Keynote Lecture	EURO:TUN 2009 conference, Bochum, Germany
September	Speaker	3rd International Conference on Advanced Computational Engineering and Experimenting, Rome, Italy
2008		
December	Seminar	Murray Edwards College, Cambridge, UK
October	Lecture	University of Cambridge, Cambridge, UK.
October	Seminar	Murray Edwards College, Cambridge, UK
October	Seminar	University of Cambridge, Cambridge, UK.
June	Speaker	International Geotechnical Conference on Development of Urban Areas and Geotechnical Engineering, St. Petersburg, Russia
March	Seminar	National Taipei University of Technology, Taipei, Taiwan
January	Seminar	Murray Edwards College, Cambridge, UK
January	Seminar	University of Cambridge, Cambridge, UK.
January	Master's Meeting	Jesus College, Cambridge, UK.
2007		
September	Seminar	Université de Technologie de Compiègne, Compiègne, France
August	Theme Lecture	EURO:TUN 2007 conference, Wien, Austria
August	Seminar	TU Wien, Wien, Austria
2006		

September	Seminar	New Hall, Cambridge, UK.
September	Speaker	First European Conference on Earthquake Engineering and Seismology, Geneva, Switzerland
July	Lecture	University of Canterbury, Christchurch, New Zealand
2005		
June	Lecture	Delft University of Technology, Delft, Nederland
June	Seminar	New Hall, Cambridge, UK.
June	Seminar	University of Cambridge, Cambridge, UK.
2004		
December	Seminar	University of Cambridge, Cambridge, UK.
December	Seminar	New Hall, Cambridge, UK.
August	Speaker	13th WCEE, Vancouver, Canada
August	Lecture	Harbin Institute of Technology, Harbin, China
June	Lecture	University of Cambridge, UK
March	Invited Lecture	Shenyang Jianzhu University, Shenyang, China
2003		
October	Seminar	Tsinghua University, Beijing, China
September	Seminar	University of Oxford, Oxford, UK.
April	Seminar	Polytechnic University of Catalonia, Barcelona, Spain
April	Theme Lecture	COMPLAS VII conference, Barcelona, Spain
2002		
November	Seminar	University of Cambridge, Cambridge, UK.
November	Master's Meeting	Jesus College, Cambridge, UK.
October	Lecture	Delft University of Technology, Delft, Nederland
October	Speaker	Geotechnical aspects of underground construction in soft ground, Toulouse, France
September	Seminar	University of Cambridge, Cambridge, UK.
April	Seminar	University of Cambridge, Cambridge, UK.
March	Lecture	Bauhaus-Universität Weimar, Weimar, Germany
2001		
November	Lecture	Japan International Cooperation Agency, Tokyo, Japan
October	Lecture	Tokyo Metropolitan Government Bureau of Waterworks, Tokyo, Japan
August	Lecture	University of Colorado at Boulder, Boulder, USA.
July	Seminar	Colorado School of Mines, Boulder, USA.
2000		
November	Speaker	International conference on Geotechnical & Geological engineering, Melbourne, Australia
October	Lecture	Tokyo Metropolitan Government Bureau of Waterworks, Tokyo, Japan
August	Seminar	University of Cambridge, Cambridge, UK.
1999		
June	Theme Lecture	IS-Tokyo, Tokyo, Japan
1998		
November	Seminar	ETH Zürich, Zürich, Switzerland
1997		
September	Speaker	14th International conference on soil mechanics & foundation engineering, Hamburg, Germany
1996		
November	Theme Lecture	ICWEDP '96, Zhengzhou City, China
September	Lecture	Harbin Institute of Technology, Harbin, China
April	Seminar	City University, London, UK.
1995		
March	Seminar	University of Cambridge, Cambridge, UK.
March	Seminar	Imperial College London, London, UK.

1991

December Seminar Asian Institute of Technology, Bangkok, Thailand

Teaching Activities

Chiba Institute of Technology

2023

Graduate Doctoral Thesis Project, Master Thesis Project
Graduate Special Seminar on English Writing and Presentation for Research
Graduate Special Lecture on Concerning Modern Society (Instructor rating 4.10/5.00)
Graduate Special Lecture on Concerning Japan and The World (Instructor rating 4.44/5.00)
Undergraduate Special Lecture on Science, Engineering and Technology - In Japan and The World - (Instructor rating 4.56/5.00)
Undergraduate Special Lecture on Science, Engineering and Technology - Concerning Modern Society - (Instructor rating 3.71/5.00)
Undergraduate Special Lecture on Science, Engineering and Technology - New Culture Movement - (Instructor rating 3.56/5.00)

2022

Graduate Doctoral Thesis Project, Master Thesis Project
Graduate Special Seminar on English Writing and Presentation for Research (Instructor rating 5.00/5.00)
Graduate Special Lecture on Concerning Modern Society (Instructor rating 3.65/5.00)
Undergraduate Special Lecture on Science, Engineering and Technology - In Japan and The World - (Instructor rating 4.54/5.00)
Undergraduate Special Lecture on Science, Engineering and Technology - Concerning Modern Society - (Instructor rating 4.50/5.00)
Undergraduate Special Lecture on Science, Engineering and Technology - New Culture Movement - (Instructor rating 4.07/5.00)

2021

Graduate Doctoral Thesis Project, Master Thesis Project
Undergraduate Special Lecture on Science, Engineering and Technology - In Japan and The World (Instructor rating 4.43/5.00) -
Undergraduate Special Lecture on Science, Engineering and Technology - Concerning Modern Society - (Instructor rating 4.71/5.00)
Undergraduate Special Lecture on Science, Engineering and Technology - New Culture Movement - (Instructor rating 4.40/5.00)

2020

Graduate Doctoral Thesis Project, Master Thesis Project
Undergraduate Special Lecture on Science, Engineering and Technology - Concerning Modern Society -

Past (Department of Civil Engineering and Architecture, Chiba Institute of Technology)

2019

Graduate Doctoral Thesis Project, Master Thesis Project

2018

Graduate Doctoral Thesis Project, Master Thesis Project

2017

Graduate Doctoral Thesis Project, Master Thesis Project
Undergraduate Performance Design of Geotechnical Engineering (Instructor rating 4.61/5.00)
Undergraduate Graduation Thesis Project

2016

Graduate Doctoral Thesis Project, Master Thesis Project
Undergraduate Soil Mechanics (Instructor rating 4.44/5.00)
Undergraduate Performance Design of Geotechnical Engineering (Instructor rating 4.32/5.00)
Undergraduate Graduation Thesis Project

2015

Graduate Doctoral Thesis Project, Master Thesis Project
Undergraduate Soil Mechanics (Instructor rating 4.31/5.00), Good Lecturer of Chiba Institute of Technology
Undergraduate Performance Design of Geotechnical Engineering (Instructor rating 4.63/5.00)
Undergraduate Graduation Thesis Project

2014

Graduate Doctoral Thesis Project, Master Thesis Project
Undergraduate Soil Mechanics (Instructor rating 4.30/5.00)
Undergraduate Performance Design of Geotechnical Engineering (Instructor rating 4.70/5.00) , Good Lecturer of Chiba Institute of Technology
Undergraduate Graduation Thesis Project

2013

Graduate Doctoral Thesis Project, Master Thesis Project
Undergraduate Soil Mechanics (Instructor rating 4.36/5.00)
Undergraduate Performance Design of Geotechnical Engineering (Instructor rating 4.76/5.00)
Undergraduate Graduation Thesis Project

2012

Graduate Geotechnical Engineering (Instructor rating 4.80/5.00)
Graduate Doctoral Thesis Project, Master Thesis Project
Undergraduate Soil Mechanics (Instructor rating 4.00/5.00)
Undergraduate Geo-space Planning (Instructor rating 4.56/5.00)
Undergraduate Performance Design of Geotechnical Engineering (Instructor rating 4.58/5.00)
Undergraduate Graduation Thesis Project

2011

Graduate Geotechnical Engineering (Instructor rating 4.86/5.00)
Graduate Doctoral Thesis Project, Master Thesis Project
Undergraduate Soil Mechanics (Instructor rating 4.33/5.00)
Undergraduate Geo-space Planning (Instructor rating 4.47/5.00)
Undergraduate Performance Design of Geotechnical Engineering (Instructor rating 4.79/5.00)
Undergraduate Graduation Thesis Project

2010

Graduate Geotechnical Engineering (Instructor rating 4.69/5.00)
Graduate Doctoral Thesis Project, Master Thesis Project
Undergraduate Soil Mechanics (Instructor rating 4.22/5.00)
Undergraduate Geo-space Planning (Instructor rating 4.45/5.00)
Undergraduate Performance Design of Geotechnical Engineering (Instructor rating 4.75/5.00)
Undergraduate Graduation Thesis Project

2009

Graduate Geotechnical Engineering (Instructor rating 4.82/5.00)
Graduate Doctoral Thesis Project, Master Thesis Project
Undergraduate Soil Mechanics (Instructor rating 3.96/5.00)
Undergraduate Geo-space Planning (Instructor rating 4.32/5.00)
Undergraduate Graduation Thesis Project

2008

Graduate Geotechnical Engineering (Instructor rating 4.75/5.00)
Graduate Doctoral Thesis Project, Master Thesis Project
Undergraduate Soil Mechanics (Instructor rating 4.16/5.00)
Undergraduate Geo-space Planning (Instructor rating 4.27/5.00)
Undergraduate Graduation Thesis Project

2007

Graduate Geotechnical Engineering
Graduate Doctoral Thesis Project, Master Thesis Project
Undergraduate Soil Mechanics (Instructor rating 4.15/5.00)
Undergraduate Geo-space Planning (Instructor rating 4.07/5.00)
Undergraduate Graduation Thesis Project

2006

Graduate Geotechnical Engineering
Graduate Doctoral Thesis Project, Master Thesis Project
Undergraduate Soil Mechanics (Instructor rating 3.68/5.00)
Undergraduate Geo-space Planning (Instructor rating 3.99/5.00)
Undergraduate Graduation Thesis Project

Past (Department of Civil Engineering, Chiba Institute of Technology)

1st year Exposition
2nd year Soil Mechanics A
2nd year Soil Mechanics B
2nd year Finite Element Programming
2nd year Theory of Elasto-Plasticity
3rd year Fracture Mechanics
3rd year Soil Mechanics Experiments
4th year Graduation Thesis Project
Postgraduate Geotechnical Engineering
Postgraduate Doctoral Thesis Project, Master Thesis Project

Past (National Chiba University)

1st year Material Mechanics
2nd year Civil Engineering
4th year Graduation Thesis Project

Past (Waseda University, International Course)

2nd year Soil Mechanics

Research Supervisions and Advices

Ph.D.

1. Katsuaki Shikata (1997) Study on a ground improvement using high toughness acrylic emulsion (Advisor)
2. Tomokazu Takahashi (2001) Study on performance verification for soft ground using reliability analysis based on data assimilation (Advisor)
3. Si Kwong Alfred Au (2001) Fundamental Study of Compensation Grouting (Advisor)
4. Masami Fujihira (2001) The Fundamental Study on Soil Prevention Method of Liquefaction Using Electrophoresis of Fixative Materials (Advisor)

5. Ying Li (2003) Study on an effect of properties of microstructure of concrete on the strength of construction joint (Advisor)
6. Hiroshi Kiiikuni (2003) Study on the modelling method of water movement of construction concrete joint using in cement pastes (Advisor)
7. Jarungwit Wongsaroj (2005) Three-dimensional finite element analysis of short and long-term ground response to open-face tunnelling in stiff clay (Advisor)
8. Satoshi Hayakawa (2006) Study on the evaluation index of energy consumption (Advisor)
9. Hiroki Takahashi (2012) Numerical Study on Ground Behaviour During Construction Process of The Earth Pressure Balance Shield Tunnelling
10. Shinji Yakita (2014) Study on Prediction of Long Term Deformation of an Existing Shield Tunnel (Advisor)
11. Alireza Afshani (2014) Numerical analysis of the effect of earth pressure balanced shield tunneling on soil stress-deformation behavior (Advisor)
12. Takashi Nakayama (2014) Numerical Analysis on Movement and Long Term Performance of Grouted Material by Chemical Injection Method (Advisor)
13. Tomoya Nakamura (2017) Study on a vertical deformation behavior of ground due to a box tunneling method
14. Junichi Yamanobe (on-going) Quick prediction method for the strength of ground improved by jet grouting
15. Yasuhiko Yamashita (on-going) Ground behaviour due to a box tunnelling
16. Koji Funakoshi (on-going) Damage-free control system of the friction cut plate fixation during a box tunneling method
17. Susumu Imai (on-going) Study on the evacuation guidance of underground stations

Visiting researchers

Chiba Institute of Technology

1. Mr. Au Si Kwong (University of Cambridge, UK), 3/01
2. Prof. Kenichi Soga (University of Cambridge, UK), 3/01
3. Dr. Au Si Kwong (University of Hong Kong), 7/07
4. Prof. Chen Jianping (Jilin University, China), 4/07-2/08
5. Prof. Cheng Yongchun (Jilin University, China), 4/07-2/08
6. Dr. Fan Jianhua (Jilin University, China), 4/11-2/12
7. Dr. Simon Strent (University of Cambridge, UK), 2/14
8. Dr. Simon Hartley (University of Cambridge, UK), 3/15
9. Dr. Fan Jianhua (Jilin University, China), 4/15-2/16
10. Prof. Denzel Wei (National Taipei University of Technology, Taiwan), 2/16-3/16

Administrative Activities

Chiba Institute of Technology

The Advisor (2020-present)

The President (2012-2020)

Executive Director (2012-2020)

Trustee (2012-2020)

Chair of the Committee of Admission (2008-2012)

Chair of the Committee of Academic Affairs (2008-2010)

Dean of the Department of Civil Engineering and Architecture (2008-2010)

Member of the Committee of Standards for Establishment of University's Graduate School (2006-2008)

Vice-chair of the Committee of Admission (2006-2008)

Member of the Committee of Admission (2005-2006)

Head of the Department of Civil Engineering (2004-2007)

Member of the Committee of Admission of the Graduate School (2003-2005)

Chair of the Committee of Evaluation by Students (2003-2005)

Member of the Committee of Education Affairs (2003-2005)

Vice-chair of the Committee of Student Affairs (2002-2004)

Member of the Committee of Admission of the Graduate School (2001-2003)

Member of the Committee of Research and Education Affairs of the Graduate School (2001-2009)

Member of the Committee of Student Affairs (2001-2002)

Research Collaboration

As invited visiting professor/researcher: Waseda University, Japan (April 1994 - present), University of Cambridge, UK. (March 1995), Harbin Institute of Technology, China (September 1996), National Chiba University, Japan (April 2001 - March 2009), University of Colorado at Boulder, USA. (July - August 2001), Harbin Institute of Technology, China (August 2004), National Taipei University of Technology, Taiwan (March 2008), Jilin University, China (October 2013), Network Rail, UK. (March/July 2015), CERN (June 2017)

Organizing/Scientific Committee

- 2015 5th Japan - China Geotechnical Symposium, Organizing Committee
- 2013 EURO:TUN 2013 conference, Scientific Committee
- 2010 The International Geotechnical Conference Geotechnical Challenges in Megacities Moscow, Scientific Committee
- 2009 EURO:TUN 2009 conference, Scientific Committee
- 2010 4th Japan - China Geotechnical Symposium, Chairman of Scientific Committee and Organizing Committee
- 2007 EURO:TUN 2007 conference, Scientific Committee
- 2007 3rd Japan - China Geotechnical Symposium, Scientific Committee
- 2005 16th International Conference of Soil Mechanics and Geotechnical Engineering, Scientific Committee
- 2005 2nd Japan - China Geotechnical Symposium, Scientific Committee
- 2003 1st Japan - China Geotechnical Symposium, Scientific Committee
- 1999 ISSMFE TC28 International Conference (IS-Tokyo'99), Organizing Committee

Grants and Contracts

Funding Agencies Total earned until March 2021 : 60,378,000 JPY

- [1] Ministry of Education, Culture, Sports, Science and Technology, Japan / Grant-in-Aid for Specially Promoted Research for Graduate School, "Investigation of pore water pressure behaviour in deep underground", 1996-1997
- [2] Ministry of Education, Culture, Sports, Science and Technology, Japan / Grant-in-Aid for Scientific Research (C), "Development of environmental impact assessment system of ground water due to construction in deep ground", 2004
- [3] Ministry of Education, Culture, Sports, Science and Technology, Japan / Grant-in-Aid for Scientific Research (C), "Development of environmental impact assessment system of ground water due to construction in deep ground", 2005
- [4] Ministry of Education, Culture, Sports, Science and Technology, Japan / Grant-in-Aid for Scientific Research (C), "Elucidation of ground water flow mechanism in deep ground" , 2007
- [5] Ministry of Education, Culture, Sports, Science and Technology, Japan / Grant-in-Aid for Scientific Research (C), "Elucidation of ground water flow mechanism in deep ground", 2008
- [6] Ministry of Education, Culture, Sports, Science and Technology, Japan / Grant-in-Aid for Scientific Research (C), "Elucidation of ground water flow mechanism in deep ground", 2009
- [7] Ministry of Education, Culture, Sports, Science and Technology, Japan / Grant-in-Aid for challenging Exploratory Research, "Study on the contribution of John H. Argyris's works to development of the finite element method", 2009
- [8] Chiba Institute of Technology / Aid for Specially Promoted Education, "Improvement of experiment education corresponding to JABEE education", 2009
- [9] Ministry of Education, Culture, Sports, Science and Technology, Japan / Grant-in-Aid for Scientific Research (C), "Estimation of effect of long-term preventing the diffusion of pollutants in a ground using chemical grouting method", 2010
- [10] Ministry of Education, Culture, Sports, Science and Technology, Japan / Grant-in-Aid for Scientific Research (C), "Estimation of effect of long-term preventing the diffusion of pollutants in a ground using chemical grouting method", 2011
- [11] Ministry of Education, Culture, Sports, Science and Technology, Japan / Grant-in-Aid for Scientific Research (C), "Estimation of effect of long-term preventing the diffusion of pollutants in a ground using chemical grouting method", 2012

Industry (including consultancy) Total earned until March 2021 : 48,042,000 JPY

- [12] Nishimatsu Construction Co., Ltd., "Development of numerical model and FEM program to simulate the shield tunnelling", 1997
- [13] Nishimatsu Construction Co., Ltd., "Development of numerical model and FEM program to simulate the shield tunnelling", 1998
- [14] Nishimatsu Construction Co., Ltd., "Development of numerical model and FEM program to simulate the shield tunnelling", 1999
- [15] Chemical Grouting Co., Ltd., "Study on the mechanical behaviour of improved ground due to grouting", 1999
- [16] Nishimatsu Construction Co., Ltd., "FE Modelling of Excavation at Cutting Face in Shield Tunnelling", 2000
- [17] Chemical Grouting Co., Ltd., "Study on the mechanical behaviour of improved ground due to grouting", 2000
- [18] Chemical Grouting Co., Ltd., "Study on the mechanical behaviour of improved ground due to grouting", 2001
- [19] Nishimatsu Construction Co., Ltd., "FE Modelling of Excavation at Cutting Face in Shield Tunnelling", 2001
- [20] Nishimatsu Construction Co., Ltd., "FE Modelling of Excavation at Cutting Face in Shield Tunnelling", 2002
- [21] KAJIMA CORPORATION, "Study on stability of ground at a cutting face of a shield machine", 2002
- [22] Chemical Grouting Co., Ltd., "Study on the mechanical behaviour of improved ground due to grouting", 2002
- [23] KAJIMA CORPORATION, "Study on stability of ground at a cutting face of a shield machine", 2003
- [24] KAJIMA CORPORATION, "Study on stability of ground at a cutting face of a shield machine", 2004
- [25] NIPPON CIVIC CONSULTING ENGINEERS CO.,LTD., "Field measurements and 3D FEM simulations of ground settlements due to shield tunnelling of Fukutoshin Line", 2004
- [26] Nikken Sekkei Civil Engineering Ltd., "Field measurements and 3D FEM simulations of ground settlements due to shield tunnelling of Fukutoshin Line", 2004
- [27] NIPPON CIVIC CONSULTING ENGINEERS CO.,LTD., "Field measurements and 3D FEM simulations of ground settlements due to shield tunnelling of Fukutoshin Line", 2006
- [28] Magma LLC, "Development of 3D FEM program to estimate the effect of ground improvement", 2007
- [29] Magma LLC, "Development of 3D FEM program to estimate the effect of ground improvement", 2007
- [30] Amagasaki Harbor Construction Co.,Ltd., "Fundamental study on contract promotion for construction companies", 2007
- [31] Railway Technical Research Institute, "Long term deformation and acting earth pressure of a tunnel due to consolidation settlement of soft clayey ground", 2007
- [32] Magma LLC, "Development of 3D FEM program to estimate the effect of ground improvement", 2007
- [33] Nishimatsu Construction Co., Ltd., "EF Modelling of Excavation at the Cutting Face of Slurry and Earth Pressure Balance Shield Tunnelling", 2007
- [34] Amagasaki Harbor Construction Co.,Ltd., "Fundamental study on contract promotion for construction companies", 2008

- [35] Magma LLC, "Development of 3D FEM program to estimate the effect of ground improvement", 2008
- [36] Amagasaki Harbor Construction Co.,Ltd., "Fundamental study on contract promotion for construction companies", 2009
- [37] Railway Technical Research Institute, "Long term deformation and acting earth pressure of a tunnel due to consolidation settlement of soft clayey ground", 2009
- [38] NIPPON CIVIC CONSULTING ENGINEERS CO.,LTD., "Study of the tunnel deformation due to ground settlement", 2009
- [39] Railway Technical Research Institute, "Long term deformation and acting earth pressure of a tunnel due to consolidation settlement of soft clayey ground", 2010
- [40] Railway Technical Research Institute, "Numerical study on ground displacements due to the construction procedure of the modular approached tunnel method", 2010
- [41] Railway Technical Research Institute, "Numerical study on ground displacements due to the construction procedure of the modular approached tunnel method", JPY, 2011
- [42] Railway Technical Research Institute, "Numerical study on ground displacements due to the construction procedure of the modular approached tunnel method", 2011
- [43] Raito Kogyo Co., Ltd., "Study on the evaluation method of permeability of cement mixed grout materials in the ground using the sintered metal filter", 2012
- [44] Railway Technical Research Institute, "Development of a simple finite element method of the long-term deformation of a shield tunnel considering cracking of a segment-ring", 2013
- [45] Raito Kogyo Co., Ltd., "Study on the evaluation method of permeability of cement-mixed grout materials in the ground using the sintered metal filter", 2014
- [46] Chemical Grouting Co., Ltd., "Development of the quick prediction method for the strength of ground improved by jet grouting", 2014
- [47] SANSHIN CORPORATION, "Field Trials of the MultiFan Shape Jet Grouting Method of Ground Improvement", 2014
- [48] Geo-Research Institute, "Development of the advanced tunnelling method", 2014
- [49] Chemical Grouting Co., Ltd., "Development of the quick prediction method for the strength of ground improved by jet grouting", 2015
- [50] Uemura Engineering Co., Ltd. , "Study on the mechanism of friction between an underground structure and sandy ground", 2015
- [51] Chemical Grouting Co., Ltd., "Development of the quick prediction method for the strength of ground improved by jet grouting", 2016
- [52] Uemura Engineering Co., Ltd. , "Study on the mechanism of friction between an underground structure and sandy ground", 2016
- [53] Chemical Grouting Co., Ltd., "Development of the quick prediction method for the strength of ground improved by jet grouting", 2017
- [54] Chemical Grouting Co., Ltd., "Development of the quick prediction method for the strength of ground improved by jet grouting", 2018
- [55] Uemura Engineering Co., Ltd. , "Simple calculation method for vertical deformation of the surface due to a box tunnelling operation", 2019
- [56] Ørsted Wind Power A/S and TEPCO Renewable Power Co., Ltd., "Research on the use of advanced robots for maintenance of offshore wind power generation facilities ", 2020
- [57] Ørsted Wind Power A/S and TEPCO Renewable Power Co., Ltd., "Research on the use of advanced robots for maintenance of offshore wind power generation facilities ", 2021

Publications

I. Books or Chapters in Books

A. Books

1. H. Akaki and K. Komiya, *Soil Mechanics*, Shokokusha, 2000 (in Japanese).
2. H. Akaki, K. Komiya, J. Standing and F. Jardine (editors), *Underground Construction Technology in Japan*, Maruzen, 2006.
3. H. Akaki, K. Ohtomo, M. Tamura and K. Komiya, *Geotechnical Performance Design*, Sankaido, 2007 (in Japanese).
4. H. Akaki, K. Ohtomo, M. Tamura and K. Komiya, *Performance Design in Geotechnical Engineering*, Maruzen, 2010 (in Japanese).
5. K. Komiya (editor), *Recent Developments of Geotechnical Engineering*, China Civil Engineering Society and Japanese Geotechnical Society, 2010.
6. H. Akaki, K. Ohtomo, M. Tamura and K. Komiya, *Performance Design in Geotechnical Engineering*, Translated book in Korean by I Sonhyoku, I Muyujin, Jo Gukufan and I Jinuku, CIR, 2014 (in Korean)

B. Chapters

1. K. Komiya and K. Shikata, "Movement of the Nojima fault in Awaji Island" in *Hyogoken Nanbu Earthquake of 19 January 1995, Reports of Field Investigation from 19 to 25 January 1995 in Kobe*, Chiba Institute of Technology, 1995 (in Japanese).
2. K. Komiya, "Damages Caused by Liquefaction" in *Hyogoken Nanbu Earthquake of 19 January 1995, Reports of Field Investigation from 19 to 25 January 1995 in Kobe*, Chiba Institute of Technology, 1995 (in Japanese).
3. H. Akaki and K. Komiya, "Constant rate of strain consolidation properties of clayey soil at high temperature", edited by H. Yoshikuni and O. Kusakabe, *Compression and Consolidation of Clayey Soils*, Balkema, 1995.
4. H. Akaki and K. Komiya, "Finite Element Simulation of Shield Tunnelling Processes in Soft Ground", edited by R. J. Mair and R. N. Taylor, *Geotechnical Aspects of Underground Construction in Soft Ground*, Balkema, 1996.
5. K. Komiya, E. Shimizu, T. Watanabe and N. Kodama, "Earth pressure exerted on tunnel during subsidence of sandy ground", edited by O. Kusakabe, K. Fujita and Y. Miyazaki, *Geotechnical Aspects of Underground Construction in Soft Ground*, Balkema, 1999.
6. K. Soga, M. D. Bolton, S. K. A. Au, K. Komiya, J. P. Hamelin, A. Van Cotthem, G. Buchet and J. P. Michel, "Development of Compensation Grouting Modelling and Control System", edited by O. Kusakabe, K. Fujita and Y. Miyazaki, *Geotechnical Aspects of Underground Construction in Soft Ground*, Balkema, 1999.
7. M. Kobayashi, T. Hagiwara, O. Yoshino, Y. Hayakawa and K. Komiya, "Ground movements due to the Rinkai Higashi-Shinagawa tunnel construction by slurry shield method", edited by R. Kastner, F. Emeriault, D. Dias and A. Guilloux, *Geotechnical Aspects of Underground Construction in Soft Ground*, Balkema, 2002.
8. K. Komiya, K. Takiyama and H. Akagi, "Settlement behaviour of a shield tunnel constructed in subsiding reclaimed area", edited by K. J. Bakker, A. Bezuijen, W. Broere and E.A. Kwast, *Geotechnical Aspects of Underground Construction in Soft Ground*, Balkema, 2005.
9. K. Komiya, "Chapter 33.1 Summary of Civil Engineering and Architecture", edited by M. Iguchi, G. Matsui and T. Yokoyama, *Experimental Mechanics Handbook*, Asakura-shoten, 2008 (in Japanese).
10. K. Komiya and H. Utsumi, "Chapter 33.2 Strength Testing Methods for Soil and Concrete", edited by M. Iguchi, G. Matsui and T. Yokoyama, *Experimental Mechanics Handbook*, Asakura-shoten, 2008 (in Japanese).
11. K. Komiya, "Chapter 7.3 Compensation Grouting", *Experimental Mechanics Handbook, Theory, Design and Construction of Chemical Injection Method*, Japanese Geotechnical Society, 2009 (in Japanese).
12. K. Komiya, H. Akagi and S. Konishi, "Interviews with A. Mori and T. Kasuya", *Testimonies of an Eyewitness of History of Tunnelling Technology*, The Japan Society of Civil Engineers, 2009 (in Japanese).
13. N. Kodama and K. Komiya, "Chapter 17 Model Experiment and Numerical Modelling of Dynamic Soil-Structure Interaction", edited by Andreas Öchsner, Lucas F., M. da Silva and Holm Altenbach, *Materials with Complex Behaviour*, Springer, 2010.
14. K. Komiya, "Chapter 1.5 Effect Prediction Methods for Ground and Existing Structures due to Neighboring Construction", *Neighboring Construction*, Japan Geotechnical Society, 2011 (in Japanese).
15. K. Komiya, "Ground Liquefaction", edited by S. Kakunai, K. Kato, A. Kato, K. Shinkawa, T. Uemura and K. Mori, *Fundamental Knowledge of Experimental Techniques and Technical Terms*, 2nd Edition, The Japanese Society for Experimental Mechanics, 2012 (in Japanese).

II. Refereed Publications

A. Journal Articles

1. H. Akaki and K. Komiya, "Finite element analyses of the stress-deformation behaviour considering the execution procedures during shield work", *Journal of JSCE*, III-25, No.481, 59-68, 1993 (in Japanese)
2. H. Akaki, K. Komiya, S. Suzuki, H. Yamazaki and A. Mori, "Deformation due to secondary injection during shield work in soft clayey ground and its sinkage prevention effects", *Journal of JSCE*, III-30, No.511,13-22, 1995 (in Japanese)
3. E. Shimizu, T. Watanabe, T. Koizumi and K. Komiya, "Pore water environment in deep ground", *Chishitsu to Chosa*, No.68, 27-35, 1996 (in Japanese)
4. M. Tamura, M. Fujii, K. Komiya and N. Inoue, "Damage of Houses due to Hyogoken Nanbu Earthquake", *Kisokou*, Vol.25, No.11, 40-45, 1997 (in Japanese)
5. M. Tamura, M. Fujii, K. Saito, A. Nomura, K. Komiya and E. Mizoguchi, "The Quality Control of Construction Works", *Journal of Japan Geotechnical Society*, Vol.46, No.4, 33-36, 1998 (in Japanese)
6. M. Fujii, K. Komiya, K. Ina, N. Inoue and M. Tamura, "Circumstances and Assessments of a House-environmental Disruption due to Construction Work", *Journal of Japan Geotechnical Society*, Vol.47, No.4, 15-18, 1999 (in Japanese)
7. T. Yoda, H. Shiga, N. Kodama and K. Komiya, "Study on Study on a Seismic Stability of Historical Stone Piers Seismic Stability of Historical Stone Piers", *Journal of Historical Research on Civil Engineering*, Vol., No.19, 243-248, 1999 (in Japanese)
8. K. Komiya, K. Soga, H. Akaki, T. Hagiwara and M. D. Bolton, "Finite element modelling of excavation and advancement processes of a shield tunnelling machine", *Soils and Foundations*, Vol.39, No.4, 37-52, 1999
9. T. Watanabe, E. Shimizu and K. Komiya, "Experimental study on recycling of construction sludge", *Journal of Japan Society of Industrial Waste*, Vol.12, No.1, 10-16, 2001 (in Japanese)
10. M. R. Jafari, S. K. A. Au, K. Soga, M. D. Bolton and K. Komiya, "Laboratory investigation of compensation grouting in clays", *Geotechnical Special Publications No.113*, Foundations and Ground Improvement, 445-459, 2001
11. O. Yoshino and K. Komiya, "Coupled finite element simulation of shield excavation control", *Journal of Tunnel Engineering*, Japan Society of Civil Engineers, Vol.11, No., 51-56, 2001 (in Japanese)
12. K. Hosokawa, K. Komiya and H. Akaki, "Experimental study on the pressure applied to shield tunnel structure", *Journal of Tunnel Engineering*, Japan Society of Civil Engineers, Vol.11, No., 335-338, 2001 (in Japanese)
13. K. Komiya, K. Soga, H. Akaki, M. R. Jafari and M. D. Bolton, "Soil consolidation associated with grouting during shield tunnelling in soft clayey ground", *Geotechnique*, Vol.51, No.10, 835-846, 2001
14. K. Komiya and H. Akaki, "Photoelastic Experiments on the Interaction of Twin Shield Tunnels due to the Neighbouring Construction", *Journal of the Japanese Society for Experimental Mechanics*, Vol.2, No.4, 25-32, 2002 (in Japanese)
15. S. K. A. Au, K. Soga, M. R. Jafari, M. D. Bolton and K. Komiya, "Factors Affecting Long-Term Efficiency of Compensation Grouting in Clays", *Journal of Geotechnical and Geoenvironmental Engineering*, Vol.129, No.3, 254-262, 2003
16. K. Komiya, K. Soga, H. Akaki, M. R. Jafari and M. D. Bolton, "Soil consolidation associated with grouting during shield tunnelling in soft clayey ground", *Geotechnique*, Vol.53, No.4, 447-448, 2003
17. K. Komiya, T. Okuno and H. Mori, "Appplication of Constitutive Models to Tunnels and Underground Constructions", *Journal of Japanese Geotechnical Society*, Vol.52, No.8, 13-15, 2004 (in Japanese)
18. S. K. A. Au, K. Soga, M. R. Jafari, M. D. Bolton and K. Komiya, "Closure to "Factors Affecting Long-Term Efficiency of Compensation Grouting in Clays" by S. K. A. Au, K. Soga, M. R. Jafari, M. D. Bolton, and K. Komiya", *Journal of Geotechnical and Geoenvironmental Engineering*, Vol.130, No.8, 883-892, 2004
19. J. Kitahara and K. Komiya, "Development of an assessment system of total construction cost and its application to the shield tunnel constructions in urban area", *Journal of Construction Management*, Vol.13, 273-281, 2005 (in Japanese)
20. K. Takiyama, K. Komiya and H. Akaki, "Finite element analysis on the settlement behavior of a shield tunnel in soft clay ground", *Journal of Tunnel Engineering*, Japan Society of Civil Engineers, Vol.16, 2006 (in Japanese)
21. K. Komiya and H. Akaki, "Field measurements of ground settlements due to shield tunnelling of Fukutoshin Line ", *Kisokou*, Vol.36, No.6, 47-51, 2008 (in Japanese)
22. K. Komiya, "FE-Modellierung des Ausbruchs und Betriebs einer Schildvortriebmaschine", *Geomechanik und Tunnelbau*, Vol.2, No.2, 199-208, 2009 (in German)
23. K. Komiya, "Pore Water Pressure Profiles in Deep Sedimentary Ground and An Environmental-impact due to Shield Tunnelling", *Journal of Japan Geotechnical Society*, Vol.58, No.4, 28-31, 2010 (in Japanese)
24. N. Kodama and K. Komiya, "Model Experiment and Numerical Modelling of Dynamic Soil-structure Interaction", *Advanced Structured Materials*, 269-278, 2010
25. S. Yakita, K. Tsuno, H. Takahashi, K. Komiya and H. Akaki, "Long term deformation and acting earth pressure of a tunnel due to consolidation settlement of soft clayey ground", *Journal of Tunnel Engineering*, Japan Society of Civil Engineers, Vol.66, 329-335, 2010 (in Japanese)
26. Y. Okabe, K. Komiya, H. Akaki, H. Takahashi and H. Ui, "Measurements and analyses of ground behaviour due to the

- pipe lining construction work in soft ground", *Journal of Tunnel Engineering*, Japan Society of Civil Engineers, Vol.66, 381-385, 2010 (in Japanese)
27. N. Kodama and K. Komiya, "Model Tests and FE-Modelling of Dynamic Soil-Structure interaction", *Shock and Vibration*, Vol.19, 1061-1069, 2012
 28. K. Komiya and T. Nakayama, "Finite Element Analysis of Ground Behaviour due to Box-jacking Tunnel Work", *Geotechnical Engineering Journal of the SEAGS & AGSSEA*, Vol.44, No.1, CD-ROM, 2013
 29. S. Yakita, T. Nakayama, K. Tsuno, H. Takahashi, K. Komiya and H. Akaki, "Long Term Deformation Analysis of A Shield Tunnel Due To Consolidation Settlement Considering Crack Induced Stiffness Reduction", *Journal of JSCE*, Vol.69, No.4, 457-468, 2013 (in Japanese)
 30. A. Alireza, H. Dobashi, K. Komiya and H. Akaki, "Numerical analysis of the effect of earth pressure balanced Shield Tunneling on soil stress-deformation", *Journal of JSCE*, Vol.2, No.1, 224-238, 2014
 31. K. Komiya, K. Kawanami and M. Endo, "Estimation of the coefficient of permeability in deep sedimentary ground", *Japanese Geotechnical Society Special Publication*, Vol.1, No.6, 6-10, 2015
 32. K. Komiya, T. Onishi, A. Hayashida, T. Shiozawa and M. Endo, "Fundamental study on the neutralization effect of grout using the carboxylate ester reactant", *Japanese Geotechnical Society Special Publication*, Vol.1, No.5, 6-10, 2015
 33. K. Komiya, J. Yamanobe, M. Endo and T. Shiozawa, "Accelerated curing and strength of soil-cement mixtures", *Japanese Geotechnical Society Special Publication*, Vol.1, No.5, 12-16, 2015
 34. T. Nakamura, Y. Yamashita, S. Maruta, M. Endo, Y. Koyama and K. Komiya, "Development of a method of settlement prediction and countermeasure in a phased construction of underpass tunnel", *Journal of JSCE*, Vol.72, No.3, 82-93, 2016 (in Japanese)
 35. T. Shinsaka, J. Yamazaki, Y. Nakanishi and K. Komiya, "Development of the MultiFan-Shaped Jet Grouting Method of Ground Improvement", *Journal of ASCE Geotechnical Special Publication*, Vol., No.289, 1-10, 2017
 36. T. Shinsaka, J. Yamazaki, Y. Nakanishi and K. Komiya, "Study on the MultiFan Shape Jet Grouting Method of Ground Improvement", *Journal of the Society of Materials Science*, Vol.67, No.1, 89-92, 2018 (in Japanese)
 37. S. Manabe, M. Endo, M. Nakamura and K. Komiya, "Study on the mechanism of friction between an underground structure and sandy ground", *Japanese Geotechnical Society Special Publication*, Vol.8, No.11, 441-446, 2020
 38. J. Yamanobe, M. Endo and K. Komiya, "Development of the quick prediction method for the strength of ground improved by jet grouting", *Japanese Geotechnical Society Special Publication*, Vol.8, No.10, 410-415, 2020
 39. T. Nakamura, K. Komiya and M. Endo, "Development of a method of settlement control in a phased construction of underpass tunnel", *Tunnel and Underground*, Vol.51, No.8, 51-62, 2020 (in Japanese)
 40. M. Endo, K. Komiya, S. Manabe, and M. Nakamura, "Basic Study on a Reduction Effect of The Load Reaction pressure on A Tunnel Invert Caused By The Friction Between Tunnel and Ground", *Journal of Tunnel Engineering*, Japan Society of Civil Engineers, Vol.77, CD-ROM 6pages, 2021 (in Japanese)
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