

KAZUHITO KOMIYA PhD

Advisor
Chancellor's Professor
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

2012 – present **Advisor**
Chiba Institute of Technology, Japan

2012 – 2020 **The President**
Chiba Institute of Technology, Japan

2012 – 2020 **Executive Director**
Chiba Institute of Technology, Japan

2012 – 2020 **Trustee**
Chiba Institute of Technology, Japan

2001 – present **Chancellor's Professor**
Chiba Institute of Technology, Japan

1999 – 2001 **Associate Professor**
Chiba Institute of Technology, Japan

1998 – 1999 **Research Associate, Assistant Lecturer**
University of Cambridge, Department of Engineering, Cambridge, UK

1996 – 1998 **University Lecturer**
Chiba Institute of Technology, Japan

1994 – 1996 **Research Associate**
Chiba Institute of Technology, Japan

1991 – 1994 **Research Associate**
Waseda University, Japan

Professional Affiliations

- *Member*, Institution of Civil Engineers, UK.
- *Member*, British Geotechnical Association, UK.
- *Member*, Japanese Society for Experimental Mechanics, Japan

- *Member*, Architectural Institute of Japan, Japan
- *Member*, Society of Material Science, Japan
- *Member*, Japan Tunnelling Association, Japan
- *Member*, Japan Society of Civil Engineers, Japan
- *Member*, Japanese Geotechnical Society, Japan

Awards/Honors

2017	The 2017 Achievement Award, The 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

- *Director*, Chiba Museum of Science and Industry, Chiba Prefecture, Japan (2012-present)
- *Trustee*, Industrial Promotion Center, Chiba Prefecture, Japan (2012-present)
- *Member*, Committee for National Civil Service Examination, Japan National Personnel Authority (2011-2013)
- *Member*, Grants-in-aid for Scientific Research Committee, Japan Society for the Promotion of Science (2011-2013)
- *Member*, Commission Delegated to Propose Plans for Future Activities and Developments, Narashino City Council, Japan (2011-2013)
- *Member*, Committee for National Civil Service Examination, Japan National Personnel Authority (2010-2011)
- *Science Advisory Committee Member*, Large-scale Earthquake Simulator, National Research Institute for Earth Science and Disaster Resilience (2009-2011)
- *Member*, Grants-in-aid for Scientific Research Committee, Japan Society for the Promotion of Science (2008-2009)
- *Member*, Advisory Committee for the Impact upon the Environment associated with the Public Use of the Deep Underground, Japan Ministry of Construction (2002-2004)
- *Lecturer*, Waterworks Bureau, Tokyo Metropolitan Government (2000-2001)
- *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 Kanto Society for Engineering Education, Japan (2016-2017)
- *President*, 29th All Japan Technical University Student Karatedo Championships, All Japan Technical University Karatedo Federation (2016)
- *Vice-President*, The Kanto Society for Engineering Education, Japan (2015-2016)
- *Managing Director*, The Japan Universities Association for Computer Education (2017-present)
- *Executive Director*, The Kanto Society for Engineering Education, Japan (2017-present)
- *Executive Director*, The 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)

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

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
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	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-Universität Bochum, Bochum, Germany
April	Seminar	University of Innsbruck, Innsbruck, Austria
April	Speaker	EURO:TUN 2017 conference, Innsbruck, Austria
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
June	Invited Lecture	Kanagawa Private University Council, Yokohama, Japan
April	Lecture	Ministry of Foreign Affairs United Mexican States, Mexico City, United Mexican States
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	Kanto salon of The 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	Network Rail, Canterbury, UK.
May	Commemorative speech	University of Saint Joseph, Macao, China
May	Invited Lecture	Collabo Sankangaku, Chiba, Japan
March	Seminar	Network 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
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, Kingdom of Cambodia
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-Universität Bochum, Bochum, Germany
April	Keynote	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-Universität Bochum, Bochum, Germany

September	Keynote	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
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1998

November	Seminar	ETH Zürich, Zürich, Switzerland
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1997

September	Speaker	14th International conference on soil mechanics & foundation engineering, Hamburg, Germany
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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
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Teaching Activities

Chiba Institute of Technology

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
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2018

Graduate	Doctoral Thesis Project, Master Thesis Project
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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)

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

Past (National Chiba University)

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

Past (Waseda University, International Course)

2 nd year	Soil Mechanics
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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 Kiikuni (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

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

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. 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
 18. 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)
 19. 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)
 20. 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)
 21. K. Komiya, "FE-Modellierung des Ausbruchs und Betriebs einer Schildvortriebmaschine", *Geomechanik und Tunnelbau*, Vol.2, No.2, 199-208, 2009 (in German)
 22. 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)
 23. N. Kodama and K. Komiya, "Model Experiment and Numerical Modelling of Dynamic Soil-structure Interaction", *Advanced Structured Materials*, 269-278, 2010
 24. 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)
 25. 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)
 26. N. Kodama and K. Komiya, "Model Tests and FE-Modelling of Dynamic Soil-Structure interaction", *Shock and Vibration*, Vol.19, 1061-1069, 2012
 27. 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

28. 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)
29. 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
30. 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
31. 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
32. 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
33. 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)
34. 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
35. 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)
36. 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
37. 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
38. 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)

B. Papers in Refereed Conference Proceedings

1. H. Akaki and K. Komiya, "Stokes flow analyses of the behaviour of the pressure applied to the tunnel due to the settlement of cohesive soil, Proceedings of 35th Symposium of Japanese Society of Soil Mechanics and Foundation Engineering", 133-138, 1990 (in Japanese)
2. H. Akaki and K. Komiya, "Earth pressure applied to tunnel due to the settlement of soft clay of soft clay", Proceedings of International Conference on Geotechnical Engineering for Coastal Development (GEO-COAST'91), No.1, 153-158, 1991
3. K. Komiya and H. Akaki, "Numerical analyses of the excavating process of shield tunnelling", Proceedings of 5th Symposium of Numerical Mechanics, 243-248, 1991 (in Japanese)
4. H. Akaki and K. Komiya, "Effects of secondary injection during shield work in soft clay", Proceedings of The 9th Asian Regional Conference on Soil Mechanics and Foundation Engineering, No.1, 303-306, 1991
5. K. Komiya and H. Akaki, "Deformation analyses of cohesive soil to shield tunnelling", Proceedings of Symposium of the Ground Behaviour due to Excavating Works and Shield Tunnelling, 275-280, 1992 (in Japanese)
6. H. Akaki and K. Komiya, "Coupled finite element simulation of shield tunnelling in soft clay", Proceedings of the Second Kansai International Geotechnical Forum on Comparative Geotechnical Engineering, No.1, 43-44, 1993
7. K. Komiya and H. Akaki, "Estimation of consistency limits of clayey soils using of fall cone method", Proceedings of Symposium on Consistency Behaviour of Soil, 159-164, 1995 (in Japanese)
8. K. Komiya, E. Shimizu, T. Watanabe and K. Katsuaki, "The Aseismicity of Ground Improved by the Acrylic Emulsion", Earthquake Geotechnical Engineering, No.1, 441-446, 1995
9. K. Komiya, "Soil-water-air coupled finite element analyses of consolidation behavior of unsaturated soil", Water environment and disaster prevention ICWEDP '96, No.1, 303-308, 1996
10. H. Akaki and K. Komiya, "Finite element analyses of the interaction of a pair of shield tunnels", Proceedings of the 14th international conference on soil mechanics & foundation engineering, No.3, 1449-1452, 1997
11. H. Akaki, K. Komiya, H. Saito, "Displacement field of granular backfill due to earthquake induced quaywall movement", Proceedings of 7th U.S.-Japan Workshop on Earthquake Resistant Design of Lifeline Facilities and Countermeasures against Liquefaction, No.1, 587-597, 1999
12. K. Komiya, E. Shimizu and T. Watanabe, "Effectiveness of Deep Mixing Improvement to Prevent the Liquefaction", Proceedings of 1st Symposium on Earthquake Resistant Design against Liquefaction, 245-248, 2000 (in Japanese)
13. K. Komiya, H. Akaki, A. Tamano and M. Takahashi, "Numerical Simulation of the Embankment Failure due to Earthquake", Proceedings of 1st Symposium on Earthquake Resistant Design against Liquefaction, 255-258, 2000 (in Japanese)
14. M. Fujihira, E. Shimizu, T. Watanabe and K. Komiya, "Fundamental Study on Prevention Method of Liquefaction using Electrophoresis of Watersoluble Polymer", Proceedings of 4th Symposium on Ground Improvement, Japanese Society of Material Science, 33-36, 2000 (in Japanese)

15. S. K. A. Au, M. R. Jafari, K. Soga, M. D. Bolton, F. Karim and K. Komiya, "Experimental and numerical investigation of compensation grouting in clay", Proceedings of An international conference on Geotechnical & Geological engineering, 19-24, 2000
16. K. Komiya, T. Watanabe, E. Shimizu and T. Nakamura, "Visco-plastic finite element simulation of ground behaviour due to liquefaction", Proceedings of 2nd Symposium on Earthquake Resistant Design against Liquefaction, 273-276, 2001 (in Japanese)
17. K. Komiya, H. Akaki, A. Tamano and M. Takahashi, "Visco-plastic finite element failure simulation of ground improved by deep mixing method", Proceedings of 2nd Symposium on Earthquake Resistant Design against Liquefaction, 277-280, 2001 (in Japanese)
18. K. Komiya, H. Akaki and O. Yoshino, "Finite element calculation of the volume of soil excavated during shield work", Proceedings of Regional Conference on Geotechnical Aspects of Underground Construction in Soft Ground, 2001
19. K. Takiyama, K. Komiya and H. Akaki, "Settlement behaviour of a pair of tunnel constructed in the subsiding reclaimed area", Proceedings of Symposium on Underground Construction in Soft Ground, 168-173, 2002
20. O. Yoshino and K. Komiya, "Finite element simulation of the ground stability at the cutting face of shield tunnelling machine", Proceedings of Symposium on Underground Construction in Soft Ground, 174-177, 2002
21. K. Hosokawa, K. Komiya and H. Akaki, "Experimental study on the interaction of a pair of shield tunnelling", Proceedings of Symposium on Underground Construction in Soft Ground, 178-181, 2002
22. A. Kawamura, K. Ito, H. Akaki and K. Komiya, "Estimation of viscosity of the liquefied soil for the visco-plastic finite element simulation", Proceedings of 4th Symposium on Earthquake Resistant Design against Liquefaction, 241-246, 2003 (in Japanese)
23. K. Komiya, "Finite Element Modelling of TBM Excavation and Advancement Processes in Soft Ground", COMPLAS VII, No.7, CD-ROM 17 pages, 2003
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25. K. Takiyama, K. Komiya, Y. Okabe and H. Akaki, "Settlement behaviour of a shield tunnel constructed in subsiding soft clay ground", Proceedings of 2nd Japan-China Geotechnical Symposium, 2005
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