

Table 1-1: Advisers in Department of Materials Science and Engineering

Field of Organic Materials		Field of Inorganic Materials	
Professors	Associate Professors	Professors	Associate Professors
Masahiro Higuchi	Shigeru Okamoto	Manabu Gomi	Keiji Daimon
Eiji Nakanishi*	Koji Takagi	Koichiro Fukuda	Shinobu Hashimoto
Masahito Suzuki	Hiroaki Yoshimizu		Ken-ichi Kakimoto
Atsushi Yoshimura	Hideo Yoshizato		
Katsuhiko Inomata	Katsuhiko Yamamoto		
Field of Chemical Process		Field of Materials Function and Design	
Professors	Associate Professors	Professors	Associate Professors
Shuki Araki	Yoshihito Kato	Norihiko Fukatsu	Yasushi Hamanaka
Hideki Mori	Shinji Kawasaki	Shoji Hayashi	Fumio Iwatsu
Yutaka Tada	Masakazu Ohkita	Osamu Yoshinari	Takao Kozakai
Akio Yuchi	Jun-ichi Oku		Noriaki Kurita
	Kazutake Takada		Keiji Okumura
	Noriyuki Sonoyama		
Field of Life Function		*: <u>Doctoral Degree Program only</u>	
Professors	Associate Professors		
Tetsuo Ohkuwa	Atsushi Aoki		
Hajime Ohtani	Katsutoshi Hori		
Kejiro Taga	Hiroshi Itoh		
Toshiki Tanaka	Shinya Kitagawa		
Hatsuo Yamamura	Akihiro Yoshino		
Keiji Yamashita*	Isao Nakano		

Table 1-2: Lectures and Seminars in Department of Materials Science and Engineering

Lectures and Seminars	Lecturer
Field of Organic Materials	
Advanced Molecular Designs of Polymeric Materials	Koji Takagi
Advanced Polymer Physical Chemistry	Masahiro Higuchi
Advanced Functional Polymers	Masahiro Higuchi
Physical Properties of Polymers	Shigeru Okamoto
Histochemistry and Molecular Biology	Atsushi Yoshimura
Advanced Characterization of Functional Molecular Systems	Hideo Yoshizato
Advanced Polymer Synthesis	Masahito Suzuki
Polymeric Materials	Hiroaki Yoshimizu
Advanced Lecture of Polymer Structure	Katsuhiro Yamamoto
Advanced Polymer Composite Materials	Katsuhiro Inomata
Organic Materials Seminar 1	All Professors
Organic Materials Seminar 2	All Professors
Field of Inorganic Materials	
Inorganic Structural Chemistry	Kiyooki Tanaka
Functional Properties of Ceramics	Ken-ichi Kakimoto
Advanced Thin Film Technology	Manabu Gomi
Advanced Fabrication of Ceramics	Keiji Daimon
Advanced Ceramics for Energy Conversion	Shinobu Hashimoto
Inorganic Materials Seminar 1	All Professors
Inorganic Materials Seminar 2	All Professors
Field of Chemical Process	
Advanced Electroanalytical Chemistry	Kazutake Takada
Transport Phenomena	Yoshihito Kato
Chemical Detection	Akio Yuchi
Advanced Chemical Reaction Engineering	Yutaka Tada
Advanced Unit Operations	Hideki Mori
Industrial Electrochemistry	Shinji Kawasaki
Advanced Organic Chemistry-Reactions	Shuki Araki
Advanced Inorganic Reaction Chemistry	Noriyuki Sonoyama
Advanced Structural Organic Chemistry	Masakazu Ohkita
Chemical Process Seminar 1	All Professors
Chemical Process Seminar 2	All Professors
Field of Materials Function and Design	
Thermal Properties of Materials	Keiji Okumura
Physical Properties of Materials	Osamu Yoshinari
Solid State Ionics	Norihiko Fukatsu
Structure of Materials	Minoru Doi
Functions Conversion Technology	Shoji Hayashi

Analysis of Material Properties	Takao Kozakai
Computational Materials Science	Yasushi Hamanaka
Electronic Properties of Materials	Masaakii Yamada
Materials Function and Design Seminar 1	All Professors
Materials Function and Design Seminar 2	All Professors

Field of Life Function

Analytical Methodology for Life Science	Hajime Ohtani
	Shinya Kitagawa
Advanced Protein Engineering	Toshiki Tanaka
Advanced Biophysical Chemistry	Akihiro Yoshino
Chemistry of Biomolecular Assembly	Katsutoshi Hori
Bioorganic Chemistry	Hatsuo Yamamura
Advanced Supramolecular Chemistry	Kejiro Taga
Metabolism of Biological Molecules	Hiroshi Itoh
	Tetsuo Ohkuwa
Advanced Biomembrane Engineering	Atsushi Aoki
Life Function Seminar 1	All Professors
Life Function Seminar 2	All Professors

Other

Special Lecture in Materials Science and Engineering 1	undecided(part-time teacher)
Special Lecture in Materials Science and Engineering 2	undecided(part-time teacher)
Special Lecture in Materials Science and Engineering 3	undecided(part-time teacher)
Special Lecture in Materials Science and Engineering 4	undecided(part-time teacher)

Table 2-1: Advisers in Department of Architecture, Civil Engineering and Industrial Management

Field of Human Space		Field of Environmental Eng. and Disaster Prevention	
Professors	Associate Professors	Professors	Associate Professors
Kazuyoshi Fumoto	Hideki Idota	Wataru Kioka	Toshikazu Kitano
Nobuko Fujioka	Yuka Ishikawa	Akio Mizutani *	Kenichi Maeda
Tetsumi Horikoshi *	Takeyoshi Ishimatsu	Teruo Nakai	Michiko Masuda
Toshikatsu Ichinose	Noriko Kawahashi	Akihiro Tominaga	Katsuya Sako
Katsuhiro Kawata	Yoshinori Komatsu		
Shinji Kawabe	Tatsuya Takeda		
Tohru Kimura	Hisashi Umemura		
Naoji Matsumoto		Field of Management Engineering	
Akiko Mori		Professors	Associate Professors
Yasuyuki Nagafuchi		Koichi Nakade	Koji Kanda
Tohru Ohnuki		Ken Nishina *	Mitsutoshi Kojima
Isao Takagi		Katsunori Sumi	Ken Nagatani
		Takayoshi Tamura	Junichi Yokoyama
		Hitoshi Taniguchi	
		Ichiro Koshijima	
Field of Civil Engineering		*: Doctoral Degree Program only	
Professors	Associate Professors		
Yoshiaki Goto	Tsumoru Fujimoto		
Makoto Obata	Eizo Hideshima *		
Masahisa Seguchi	Kazutoshi Nagata		
Koushi Yamamoto	Takumi Uehara		

Table 2-2: Lectures and Seminars in Department of Architecture, Civil Engineering and Industrial Management

Lectures and Seminars	Lecturer
<u>Field of Human Space</u>	
Architectural Style	Kazuyoshi Fumoto
Structural Mechanics and Design	Toshikatsu Ichinose
Structural System	Hideki Idota
Analysis of Vibration in Structures	Hisashi Umemura
Social Engineering in Historical Context	Isao Takagi
Comparative Kansei	Yasuaki Hino
Studies of Cultural Representation	Toru Ohnuki
Theory of Space Design	Shigeru Wakayama
Space Design Theory	Naoji Matsumoto
Urban Formation	Katsuhiko Kawata
Building Production Theory	Akiko Mori
Environmental Design in Architecture	Tetsumi Horikoshi
	Takeyoshi Ishimatsu
City Environment Planning	Yoshinori Komatsu
Theory of Product Design	Toru Kimura
Problems on Space Perception	Nobuko Fujioka
Life Cycle of Building Materials	Shinji Kawabe
Urban Informatics	Toshiyuki Kaneda
Basic Principles of Urban Environmental Design	Tetsumi Horikoshi
	Noriko Koresawa
Composite Structures	Toshikatsu Ichinose
Applied Architectural Planning and Design	undecided
Applied Structural Planning and Design	undecided
Applied Facility Planning and Design	undecided
Human Space Seminar 1	All Professors
Human Space Seminar 2	All Professors
<u>Field of Civil Engineering</u>	
Theory for Infrastructure Improvement	Koshi Yamamoto
Structural Analysis	Yoshiaki Goto
Theory of Applied Mechanics	Makoto Obata
Structural Stability	Kazutoshi Nagata
Design of Compound Material	Takumi Uehara
Ethics in Socio-Engineering	Masahisa Seguchi
Environmental Engineering and Disaster Prevention Seminar 1	All Professors
Environmental Engineering and Disaster Prevention Seminar 2	All Professors
<u>Field of Environmental Eng. and Disaster Prevention</u>	
Hydrologic Environment	Akihiro Tominaga
Coastal Environments	Wataru Kioka
Geo-disaster System Engineering	Kenichi Maeda
Environmental Control Engineering	Michiko Masuda

Environmental Systems of Chemical Resources 1	Hitoshi Tatemitsu
Advanced Soil Mechanics and Its Application	Teruo Nakai
Environmental Statistics	Toshikazu Kitano
Environmental Systems of Chemical Resources 2	Katsuya Sako
Human-Environment Systems	Akio Mizutani
Civil Engineering Seminar 1	All Professors
Civil Engineering Seminar 2	All Professors

Field of Management Engineering

Advanced Quality Management	Ken Nishina
Advanced Operations Research	Koichi Nakade
Trends in Human Factors	Koji Kanda
Infrastructure Economics	Mitsutoshi Kojima
Advanced Systems Management and Engineering	Junichi Yokoyama
Earthquake Disaster Risk Management	Hitoshi Taniguchi
Advanced Production Management	Takayoshi Tamura
Advanced Management Psychology	Katsunori Sumi
Industrial Society	Ken Nagatani
Advanced Project Management	Ichiro Koshijima
Project Systems Engineering	Yoshihiro Hashimoto
Management Engineering Seminar 1	All Professors
Management Engineering Seminar 2	All Professors

Other

Special Lecture in Architecture, Civil Engineering and Industrial Management 1	undecided(part-time teacher)
Special Lecture in Architecture, Civil Engineering and Industrial Management 2	undecided(part-time teacher)
Special Lecture in Architecture, Civil Engineering and Industrial Management 3	undecided(part-time teacher)

Table 3-1: Advisers in Department of Frontier Materials

Field of Environmental Ceramic Materials	
Professors	Associate Professors
Yuji Iwamoto	Nobuyasu Adachi
Toshitaka Ota	Yasuhiko Hayashi
Toshihiro Kasuga	
Masaki Tanemura	
Masayoshi Fuji	

Field of Advanced Energy Materials	
Professors	Associate Professors
Nobuo Ishizawa	Tomokatsu Hayakawa
Masakuni Ozawa	Takehiko Hihara
Tetsuo Soga	Takashi Ida
Yoichi Nishino	
Masayuki Nogami	

Field of Molecular Life Science and Nanotechnology	
Professors	Associate Professors
Yoshihito Inai	Tomohiro Ozawa
Hideki Kandori	Takehisa Dewa
Takatoshi Kinoshita	Yasuhiro Funahashi
Hideki Masuda	Akinori Takasu
Norio Shibata	Shuichi Nakamura

Table 3-2: Lectures and Seminars in Department of Frontier Materials

Lectures and Seminars	Lecturer
Field of Environmental Ceramic Materials	
Ceramic Materials for Environmental Harmony	Yuji Iwamoto Toshihiro Kasuga
Advanced Characterization of Nano-Materials	Masaki Tanemura
Microstructure of Ceramics	Toshitaka Ota Nobuyasu Adachi
Evaluation Methodology for Ceramics	Masayoshi Fuji
Physics of Nano-Functional Materials	Yasuhiko Hayashi
Environmental Ceramic Materials Seminar 1	All Professors
Environmental Ceramic Materials Seminar 2	All Professors
Introduction to Environmental Ceramic Materials	All Professors
Field of Advanced Energy Materials	
Nano-materials Properties for Energy and Functions	Masayuki Nogami Tomokatsu Hayakawa
Advanced analysis of crystal structures	Nobuo Ishizawa
Energy Environmental Materials Synthesis	Masakuni Ozawa
Energy Conversion Materials	Tetsuo Soga
Nanomechanics and Physics of Materials	Yoichi Nishino
Quantum-Mechanics-Based Functional Materials	undecided
Advanced Analysis of Energy Material	Takehiko Hihara
Advanced Energy Materials Seminar 1	All Professors
Advanced Energy Materials Seminar 2	All Professors
Introduction to Advanced Energy Materials	All Professors
Field of Molecular Life Science and Nanotechnology	
Physical Chemistry for Advanced Materials	Takatoshi Kinoshita
Advanced Nano Reaction Chemistry	Tomohiro Ozawa
Advanced Bio-inorganic Chemistry	Hideki Masuda
Advanced Nanobiodevice	Mamoru Nango
Chemistry of Biomolecular Assembly	Takehisa Dewa
Advanced Protein Science	Hideki Kandori
Advances in Science of Biological Macromolecules	Yoshihito Inai
Developments in Design of Biopolymers and Biomaterials	Akinori Takasu
Cell Metabolism	undecided
Advanced Synthetic Organic Chemistry	Norio Shibata
Molecular Life Science and Nanotechnology Seminar 1	All Professors
Molecular Life Science and Nanotechnology Seminar 2	All Professors
Introduction to Molecular Life Science and Nanotechnology	All Professors
Other	
Special Lecture in Frontier Materials 1	undecided(part-time teacher)
Special Lecture in Frontier Materials 2	undecided(part-time teacher)

Table 4-1: Advisers in Department of Scientific and Engineering Simulation

Field of Computational Applied Sciences	
Professors	Associate Professors
Masaru Sugiyama	Feng wei
Toshiyuki Gotoh	Norihiro Shida
Fumio Ohi	Yoshiaki Ozaki
Shuji Ogata	Ichiro Takeuchi
Yoshihisa Enomoto	

Field of Computer Science and System Engineering	
Professors	Associate Professors
Akira Iwata	Susumu Kuroyanagi
Yutaka Ishibashi	Shinji Sugawara
Hiroyuki Ukai	Tomoaki Tsumura
Keiichi Tokuda	Akinobu Ri
Hiroshi Matsuo	Akihiko Yoneya
Naoki Mizuno	

Field of Simulation in Civil Engineering and Architectural Systems	
Professors	Associate Professors
Hidetaka Umehara	Masami Iwamoto
Shigeyuki Okada	Keisuke Kitagawa
Cho Ho	Zhao Yan-Gang
Motohiro Fujita	Koji Suzuki
Toshiyuki Kaneda	Hossain Md. Shahin

Table 4-2: Lectures and Seminars in Department of Scientific and Engineering Simulation

Lectures and Seminars	Lecturer
Field of Computational Applied Sciences	
Advanced Methods of Statistical Physics for Engineers	Masaru Sugiyama
Advanced Computational Science for Fluid Dynamics	Toshiyuki Gotoh
Advanced Lecture on Neural Information Processing	Ichiro Takeuchi
Mathematics and Simulation of Complex System	Fumio Ohi
Simulation for Nanotechnology	Shuji Ogata
Applied Statistical Simulation	Yoshihisa Enomoto
Advanced System Simulation	Feng wei
Advanced Computational Quantum Chemistry	Norihiro Shida
Molecular Computational Chemistry	Yoshiaki Ozaki
Computational Applied Sciences Seminar 1	All Professors
Computational Applied Sciences Seminar 2	All Professors
Introduction to Computational Applied Sciences	All Professors
Field of Computer Science and System Engineering	
Advanced Information Media Systems	Akira Iwata
	Susumu Kuroyanagi
Advanced Distributed Systems	Yutaka Ishibashi
	Shinji Sugawara
Parallel and Distributed Processing	Hiroshi Matsuo
	Tomoaki Tsumura
Pattern Recognition	Keiichi Tokuda
	Akinobu Ri
Advanced Lecture on Adaptive Systems	Naoki Mizuno
Electric Energy Network Systems	Hiroyuki Ukai
Advanced Computer Control	Akihiko Yoneya
Computer Science and System Engineering Seminar 1	All Professors
Computer Science and System Engineering Seminar 2	All Professors
Introduction to Computer Science and System Engineering	All Professors
Field of Simulation in Civil Engineering and Architectural Systems	
Urban Safety Design	Hidetaka Umehara
Risk Communication	Shigeyuki Okada
Theory and Simulation for Urban Transport Planning	Motohiro Fujita
Construction of Urban Infrastructures with Environmental Harmony	Cho Ho
Simulation in Structural Dynamics and Earthquake Engineering	Masami Iwamoto
Urban Infrastructure Management	undecided
Simulation of Geotechnical and Environmental Engineering Problems	undecided
Urban System Modeling	Toshiyuki Kaneda
Information/Space Theory	Keisuke Kitagawa
Environmental Disaster Prevention	Zhao Yan-Gang
Simulation in Civil Engineering and Architectural Systems Seminar 1	All Professors
Simulation in Civil Engineering and Architectural Systems Seminar 2	All Professors
Introduction to Simulation in Civil Engineering and Architectural Systems	All Professors
Other	

Special Lecture in Scientific and Engineering Simulation 1	undecided(part-time teacher)
Special Lecture in Scientific and Engineering Simulation 2	undecided(part-time teacher)