Professor Profiles 2017 School of Materials and Chemical Technology

Tokyo Institute of Technology

Encompassing the Disciplines of Science

Tokyo Tech boasts top-level research teams in the fields of chemical and materials science and engineering, with some excellent achievements to their name. In the School of Materials and Chemical Technology, students learn how to improve our lives and solve environmental, resource, and energy issues by creating new substances and materials of direct use to society, and creating new methods for their production. The School consists of two departments — Chemical Science and Engineering, with its roots in molecular chemistry, and Materials Science and Engineering, with its roots in solid materials. Students will learn a broad range of basic theories related to matter and materials, and how these theories can be applied to better support our lives. We also have affiliated research centers designated as national research hubs for research in chemistry and materials, where students come into contact with and engage in cutting-edge research as they advance through their studies.



Message from the Dean

Our School is dedicated to creating new functions based on a solid understanding of the structure and properties of matter. It also aims to nurture researchers and engineers capable of discovering principles and methods for controlling the dynamic chemical processes of substances. This is a place for top-level researchers to interact and cooperate, and for educating young people willing to solve issues related to the environment, energy, resources, safety, and health through work with various materials. Get involved with learning and research that creates a civilization in which all living things can prosper.

Yuji Wada

Department of Materials Science and Engineering

Vision

Create new materials and engineering technologies that contribute to industrial development and cultivate individuals who make a difference to society

Materials. They play an important role in forming, molding, and advancing societies. They are responsible for the considerable transformations in our daily lives. After all, they are what give shape to science and technology. At the Department of Materials Science and Engineering, we work to continuously progress the field of materials science. Our students are trained to use the advanced and specialized knowledge of materials they acquire to carry out original and challenging research and development. They learn to find creative solutions to materials-related problems on their own, and furthermore, to conceive of ways to implement these solutions in the real world. The curriculum is designed to allow students to acquire a broad range of fundamental knowledge in materials science, from metallic materials and organic materials to inorganic materials. Through our courses, students also gain the knowledge and develop the creativity necessary to bring new, innovative industrial materials into existence. Our students will become the leading scientists and engineers in the field of materials science that are sought by the industrial world.

Message from the Department Chair

Materials science is the oldest and strongest field of study at Tokyo Institute of Technology. To uphold this long-standing reputation, we strive to teach and research cutting-edge materials science. To help us with this, we have done some restructuring. Before the education reform, the Departments of Metallurgical Engineering, Organic and Polymeric Materials, and Inorganic Materials formed what was called the 2nd Academic Group (for undergraduate students). Along with this, many departments in different graduate schools dealt with materials. Namely, these were the Department of Metallurgy and Ceramics Science, Part of the Department of Organic and Polymeric Materials, Department of Innovative and Engineered Materials, and Department of Materials Science and Engineering. We brought all of these establishments together under a single roof to comprehensively study materials science. Welcome to the new Department of Materials Science and Engineering. (Takehiko Mori)

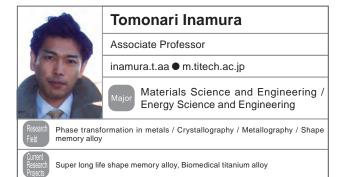
Metallurgy and Surface Science

	Toshiyuki Fujii
	Professor
4.	fujii.t.af ● m.titech.ac.jp
	Major Materials Science and Engineering
	e in metals / Mechanical properties of materials / High strength luctivity copper alloys / Fatigue of metals
Current Research Projects Evolution of a alloys	lislocation structures during cyclic deformation of metals and
	Miyuki Hayashi
las	Associate Professor
And C	hayashi ● mtl.titech.ac.jp

Energy Science and Engineering / Materials Science and Engineering

Physicochemical properties of Melts in Metallurgy / Ironmaking process / Envrionmentally Frinedly High Temperature Process

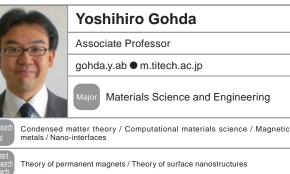
Thermochemical properties and strucutres of molten silicates containing iron ions / Utilization of low grade iron ore / Development of new iron ore sinters aiming for CO2 emisstion reduction





		Equo Kobayashi
		Associate Professor
		equo ● mtl.titech.ac.jp
		Major Materials Science and Engineering / Human Centered Science and Biomedical Engineering
Research Field		metals / Biomedical materials / Functional materials / on of medical devices
Current Research Projects		ng of biomedical beta type Ti alloys / Biodegradable Mg-matrix flicrostructural control of novel Al alloys / High performance Cu







hosoda.h.aa • m.titech.ac.jp

Materials Science and Engineering / Energy Science and Engineering

Functional materials / Alloy design / Phase stability / Shape change materials / Intermetallics / Composites / Biomaterials / Microstructural control

Dynamics of domain homo interface in shape change materials / Development of advanced medica devices based on shape memory alloys / Development of Ti-based or precisous-metal-based functiona biomaterials / Development of ferromagnetic-shape-memory-alloy-based smart-composites



Professor

Masanori Kajihara

kajihara • materia.titech.ac.jp

Materials Science and Engineering

Development of conductor metals / Development of Pb-free solders / Development of superconducting materials / Microstructure evolution kinetics of alloys

Development of conductor metals / Development of Pb-free solders / Development of superconducting materials



kimura.y.ac ● m.titech.ac.jp

Energy Science and Engineering / Materials Science and Engineering

Intermetallic compounds / Thermoelectric materials / Phase diagrams / Microstructure and lattice defects control

Heat resistant alloys design based on intermetallic phases / Thermoelectric materials design based on phase equilibria / Reliablity evaluation of thermoelectric materials / Deformation behavior of intermetallic alloys

Satoru Kobayashi

kobayashi.s.be • m.titech.ac.jp

Associate Professor



Heat resistant alloys/steels / Microstructure control / Intermetallic alloys /

Materials Science and Engineering

Novel Ni base superalloy design / Creep deformation mechanisms in Ni based wrought superalloys / Microstructural control in heat resistant ferritic steels with Laves phase precipitation

Metallurgy and Surface Science

	Yoshinao Kobayashi
	Professor
3	kobayashi.y.at ● m.titech.ac.jp
	Major Nuclear Engineering / Materials Science and Engineering
	urgy for nuclear reactor / Metal smelting and refining / Metal and steel making
Research Elements Stra	for removal of fuel debris in BWR plant after severe accident / ategy Initiative Project for Magnetic Materials / Thermodynamics f steelmaking slags toward effective and high speed refining
	Shinji Muraishi
	Associate Professor

muraishi.s.aa • m.titech.ac.jp Materials Science and Engineering Light metals and alloys / Electron microscopy / Dislocation dynamics / Thin

metal films / Magnetic nano particles Microstructural controlling of aluminum alloys / In-situ TEM observation of dislocation motion in alloys / Micromechanics based dislocation dynamics simulation / Characterization and magnetic anisotropy of nano-magnets

Yoshio Nakamura



Professor
nakamura.y.ab ● m.titech.ac.jp
Major Materials Science and Engineering

Diffraction crystallography / Electron microscopy / Physical properties of thin film / Nanohetero structure stress measurement of thin film / electronic state of magnetic allov / in-situ X-ray dffraction



Atsushi	Nishikata
Professor	

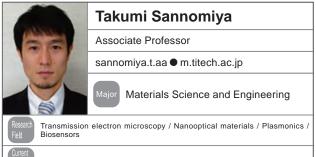
.

nishikata.a.aa ● m.titech.ac.jp

Materials Science and Engineering

Electrochemistry / Corrosion science / Fuel cell / Metallurgy

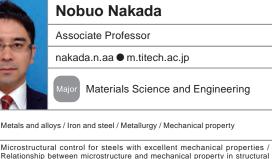
Degradation mechanism of Pt and Pt alloy catalysts for PEMFC / Corrosion protection of metallic materials in high temperature heat medium / Electrochemical impedance spectroscopy for atmospheric corrosion study / Steel corrosion in soil and concrete



Cathodoluminescence on Plasmonic Nanostructures







metals and alloys / Thermomechanical processing and phase transformations

Kan Nakatsuji Associate Professor



Surface and interface physics / Physics at metal surfaces / Nano-structures / Photoelectron spectroscopy

Materials Science and Engineering

Electronic structure of Bi-related ultra-thin films / Hydrogen adsorption on metal surface:

Susumu Onaka

onaka.s.aa • m.titech.ac.jp

Professor

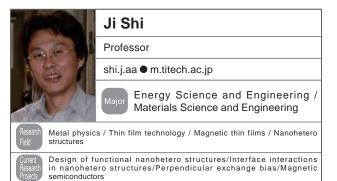
nakatsuji.k.aa • m.titech.ac.jp



Metals and alloys / Deformation and fracture / Strength / Materials science

Materials Science and Engineering

Control of microstructures by severe plastic deformation / Micromechanical analysis on deformation behavior of materials / Modeling of microstructural changes in metals and alloys

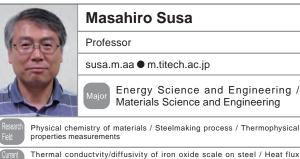


Metallurgy and Surface Science

0	Masato Sone
ash	Professor
	sone.m.aa ● m.titech.ac.jp
X	Major Human Centered Science and Biomedical Engineering / Materials Science and Engineering / Energy Science and Engineering
Research Field Biomedical n sensor / Hybr	naterials / Bio-MEMS / Biosensor / Electrodeposition / Wearable rid materials
Research gold for high	ign & the mechanical property evaluation of electrodeposited sensitive inertia detection device / Material design & evaluation mer hybrid structure for wearable sensor
0	Eiji Tada
	Associate Professor
	tada.e.aa ● m.titech.ac.jp
	Major Materials Science and Engineering
Research Field Electrochem	istry / Corrosion science / Surface treatment / Metallurgy
	ally induced cracking of metallic materials / Galvanic corrosion ints / Numerical simulation of aqueous corrosion of metals and
	Yoshihiro Terada
	Associate Professor



Devolopment of Mg-rich nanolamellar alloys / Microstructure control of Nibased superalloys / Evaluation of precipitate morphology in superalloys / Dislocation movements in heat-resistant Mg alloys



Thermal conductvity/diffusivity of iron oxide scale on steel / Heat flux measurement for water cooling of steel / Mould flux designing for high speed continuous casting of steel



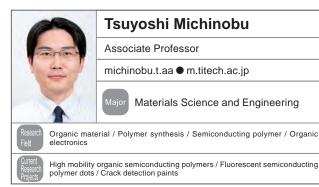


Organic and Polymeric Materials

	Shigeo Asai
10.2	Associate Professor
127	asai.s.aa ● m.titech.ac.jp
(h)	Major Materials Science and Engineering
	nd properties of polymers / Electrical conductive polymer Ion-conducting polymer blends / Microcellular plastics
	eated with high-pressure CO2 / Biodegradable polymers and ds / Electrical conductive polymer composites / Ion-conducting ds
	Yuhei Hayamizu
	Associate Professor
	hayamizu.y.aa ● m.titech.ac.jp
	Major Materials Science and Engineering / Humar Centered Science and Biomedical Engineering
Research Field Bio-Nano Inte	erface/Peptide Self-Assembly/2D nanomaterials/Biosensors

Bio-Nano Interface/Peptide Self-Assembly/2D nanomaterials/Biosensors

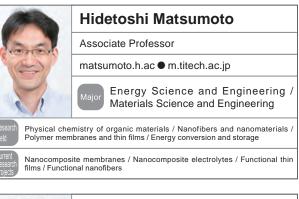


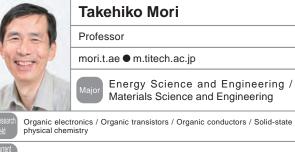


(and the	Junko Morikawa
	Professor
	morikawa.j.aa • m.titech.ac.jp
	Major Human Centered Science and Biomedical Engineering / Materials Science and Engineering
	r physics / Thermophysical properties measurements / Thermal ment / Thermal properties of materials / Polymer processing
	pectrum thermal imaging of polymer composite / Heat storage s / Materials informatics

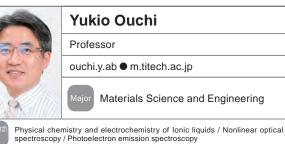
Feruaki Hayakawa Associate Professor hayakawa.t.ac • m.titech.ac.jp Moor Major Materials Science and Engineering Polymer Synthesis / Polymer Thin Films / Self-Organizing Polymeric Materials / Directed Self-Assembly Precise Synthesis of Block Copolymers / Directed Self-Assembly / Nanoporomer Precise Synthesis of Block Copolymers / Directed Self-Assembly / Nanoporomer







New organic transistor materials / Single-crystal organic transistors



Studies on ionic liquid buried interfaces (Liquid/Liquid, Solid/Liquid) for novel functionalities / Electronic structure of ionic liquids / Polymer-ionic liquid composites

Organic and Polymeric Materials

	Toshiaki Ougizawa
-SAS	Professor
(8)	tougizawa ● op.titech.ac.jp
K	Major Materials Science and Engineering
Research Field Physical pro Interfacial ad	, perties of organic materials / Polymer alloys / Composites / hesion
	ructure and propertes in multicomponent polymer sysytems / ucure and adhesion in polymeric systems
	1
	Yasuyuki Tezuka
FEREN	Professor
	ytezuka ● o.cc.titech.ac.jp
	Major Materials Science and Engineering
Research Field Topological F	- Polymer Chemistry
Current	

Construction of novel polymer topologies / Polymer materials design by topology effects

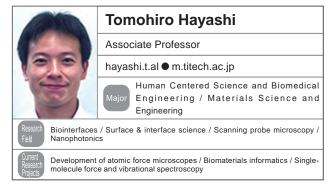
Masatoshi Shioya Associate Professor shioya.m.aa ● m.titech.ac.jp Materials Science and Engineering Physical properties / Structure analysis / Fibers / Composites Structure changes of polymeric materials under stress as measured by synchrotron radiation X-ray scattering / Intrinsic strength of carbon fibers / Effects of carbon nanofiller-dispersions on physical properties of elastomers and adhesives **Martin Vacha** Professor vacha.m.aa • m.titech.ac.jp Materials Science and Engineering / Energy Science and Engineering Nanoscale properties of organic materials / Photophysics of organic molecules / Single-molecule spectroscopy

Conformation and photophysics of conjugated polymers for electroluminescence / Plasmon enhancement of molecular photophysics in single hybrid nanoparticles / Photophysics of novel semiconductor and perovskite nanocrystals / Nanoscale properties of organic photon-upconversion systems



		Masaki Azuma
		Professor
		mazuma ● msl.titech.ac.jp
		Major Materials Science and Engineering
Research Field	Solid state che Functional mate	mistry / Transition metal oxides / Precise structural analysis / erials
Current Research Projects	Negative therm	al expansion / Multiferroics / Lead-free piezoceramics
		Hiroshi Funakubo







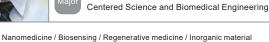
	Mitsuru Itoh
	Professor
NAY	itoh.m.aa ● m.titech.ac.jp
	Major Materials Science and Engineering
Research Dielectric materials / Ferroelectric materials / Multiferroics / Ionic conductors / Field Nano materials design	
	erroic materials / Metastable materials engineering / High Li battery / Mechanism of ferroelectricity in materials

Yasuo Azuma Associate Professor azuma.y.ac • m.titech.ac.jp Major Materials Science and Engineering Reservent Nanodevice / Molecular electronics / Nanoparticle Reservent Nanofabrication by electron-beam lithography / Bottom-up single-electron transistors / Electrical characteristics of nanomaterials







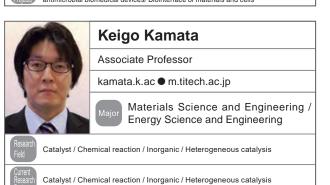


Materials Science and Engineering / Human

Toshiyuki Ikoma Associate Professor

tikoma • ceram.titech.ac.jp

Multifunctional nanomaterials for theranostics /Calcium phosphate and collagen composites for tissue engineering /hydroxyapatite and silver composites for antimicrobial biomedical devices/ Biointerface of materials and cells



	Toshio Kamiya		
	Professor		
4	kamiya.t.aa ● m.titech.ac.jp		
	Major Materials Science and Engineering		
	Materials science / Semiconductor devices / Simulation / Electronic structure and carrier transport		
Research using first-pri	Design and development of new oxide semiconductors / Materials design using first-principles calculations / Development of thin-film transistors and light-emitting devices		
	Hitoshi Kawaji		
	Professor		

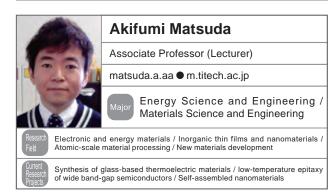


i	Hitoshi Kawaji	
Ň	Professor	
L	kawaji.h.aa ● m.titech.ac.jp	
The second	Major Materials Science and Engineering	
Solid state physics / Functional materials / Thermal properties		

Phase transition mechanism of multiferroic materials / Heat capacity, thermal expansion and thermal conductivity of ceramics / Phase transition of materials trapped in nanospaces



Ammonia synthesis using electride-based catalyst / Synthesis of alloy nanoparticle catalyst / Selective hydrogenation reactions



	Nobuhiro Matsushita
	Associate Professor
-	matsushita.n.ab ● m.titech.ac.jp
	Major Materials Science and Engineering / Human Centered Science and Biomedical Engineering
Research Solur Field mate	tion process / Functional ceramics / Electronic materials / Biomedical rials
Current Soluti	on-processed transparent conductive oxide film / Conducted noise suppressing material

Solution-processed unansparent conductive oxide initry conducted noise suppressing material in GHz range / Nanostructurer fabrication for solid oxide fuel cells / Surface modification for nanostructured bioactive interface / Sensors device using cramics electrode

	· · · · · · · · · · · · · · · · · · ·
E CAN	Takayoshi Katase
90	Associate Professor
金石	katase ● mces.titech.ac.jp
	Major Materials Science and Engineering
	tronics / Energy harvesting / Optoelectronic device / tivity/Electrochemistry
	nance thermoelectric materials using thin film interface / al memory device / High-temperature superconduting materials





Professor

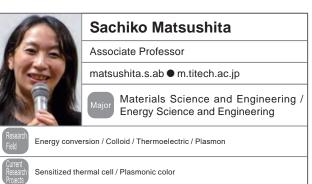
majima • msl.titech.ac.jp

Materials Science and Engineering

Molecular devices / Single-electron devices / Scaninnng probe microscopy / Nanoscale electrical properties

Molecular Transistors / Single-Electron Transistors / Nanoscale Electro- and Electroless-Plating / Analysis of Electrical Properties of Nanomaterials by Scanning Tunneling Microscopy (STM) and Scanning Tunneling Spectroscopy (STS)





0	Masahiro Miyauchi
ach	Professor
A=1	mmiyauchi
M	Major Energy Science and Engineering / Materials Science and Engineering
Research Field Photoelectroo	chemistry / Catalysis / Semiconductor / Wet chemical synthesis
Current Research Projects Photocatalysi	s / Solar cell / Artificial photosynthesis / Methane reforming
	Kazutaka Nakamura
1 Same	Associate Professor
	nakamura.k.ai ● m.titech.ac.jp
	Major Materials Science and Engineering

Solid state physiics with laser / Laser science / Ultrafast phenomena / Inorganic materials science

Coherent control of electron-phonon coupled system



nanomateria

	Takao Sasagawa		
	Associate Professor		
	sasagawa ● msl.titech.ac.jp		
	Major Materials Science and Engineering / Energy Science and Engineering		
ele al	ectronic material / Superconductivity / Spintronics / Novel		
of innovative electronic materials such as topological insulators			

Exploration of and superconductors / Computational material search and design / Single-crystal growth / Magnetotransport and spectroscopic measurements.



Tomofumi Tada
Associate Professor
tada.t.ae ● m.titech.ac.jp

Materials Science and Engineering

Computational materials science / Molecular electronics / Inorganic materials / Quantum transport theory

Fuel Cells / Catalysis / Molecular device / Quantum Information

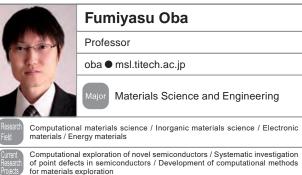
	Tomoyasu Taniyama
20	Associate Professor
-	taniyama.t.aa ● m.titech.ac.jp
	Major Materials Science and Engineering / Energy Science and Engineering
Research Field Magnetism / N	Vano-scale magnetism / Spintronics / Multiferroics

Magnon tunneling across magnetic interfaces / Electric field generation of spin wave excitation / Electric field switching of magnon propagation mode / Antiferromagnetic magnetization control

Akira Nakajima Professor anakajim • ceram.titech.ac.jp Materials Science and Engineering

Inorganic environmental materials / Surface wettability control / Ceramics processing

Superwettability / Dynamic wettability / Photocatalyst







ksino • ceram.titech.ac.jp

Materials Science and Engineering

Ceramic thin film / Ceramic processing / Ceramic sensor / Ceramics for energy use

Oxide ion conducting thin films for Fuel cell and sensor / Electrooptic thin film / Oxide electrode material for low temperature operation

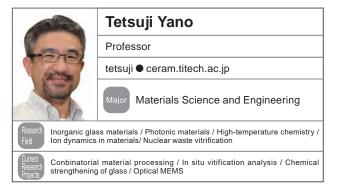


Development of piezo-type combustion sensors / Fabrication of novel SAW biosensor / Bulk single crystal growth of functional oxide materials



Biosynthesis and characterization of structurally new microbial polyesters

- aller	Takaaki Tsurumi
YEREY	Professor
	ttsurumi ● ceram.titech.ac.jp
	Major Materials Science and Engineering
Research Field dielectrics/fer	roelectrics/piezoelectrics/electroceramics
	of energy storage capacitor/Development of high temperature iability of multi-layered capacitor/Development of ultrasonic

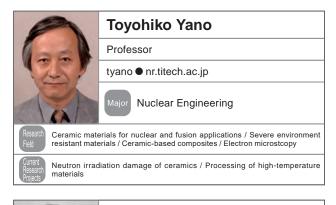




Mamoru Yoshimoto Professor yoshimoto.m.aa ● m.titech.ac.jp Energy Science and Engineering / Materials Science and Engineering Solar cells / Inorganic thermoelectric materials / Surface nano-functionalization / Superconducting/Magnetic materials UV Solar cells / Flexible glassy thermoelectric materials / Development of novel uniaxilal pressure-induced thin film crystallization process

estimating internal stress during sintering of ceramic multiphase laminates / Easy-to-use torsion test Method and multiaxial fracture criteria / Weibull statistics of porous ceramics / Numerical simulation of linearity in Weibull plot

Fumihiro Wakai Professor wakai.f.aa • m.titech.ac.jp Materials Science and Engineering / Energy Science and Engineering Engineering ceramics / Sintering/Superplasticity 3D visualization of microstructural evolution in sintering





Severe environment resistant materials / Materials for nuclear and fusion applications / Ceramic-based composites /Porous ceramics

Development of high performance ceramic-based composites / High performance porous ceramics based on microstructure control / Development of novel severe environment resistant ceramics

Nuclear Engineering



Department of Chemical Science and Engineering

Vision

Creating a future with no bounds using expertise in chemistry

The study of chemistry is for clarifying the laws of material conversion, for synthesizing unknown compounds, and for clarifying the mechanisms of manifestations of physical properties. In the Department of Chemical Science and Engineering, our aim is to deeply understand the basic properties and the responsiveness of substances at an atomic and molecular level, and to study the most advanced chemical technology systems. In the curriculum, study and education goals are set in order to develop individuals who are capable of pioneer chemical technologies that are essential for sustaining a rich society. Our aim is to produce scientists, engineers, and researchers who can take responsibility for society and the environment in the 21st century, and expert professionals who open new industries and civilizations.

Message from the Department Chair

We live surrounded by a multitude of different chemically processed materials. The clothes we wear, the plastic on computer components, the medicine we take and the fuel we use in our cars are some examples of what humans have created to make our lives better. In order to maintain and develop our society we must find sustainable ways to obtain these materials. It is the goal of the Department of Chemical Science and Engineering to deeply understand chemical phenomena in all their forms, from research into atomic and molecular interactions, to studies on global dynamics. We endeavor to offer a leading-edge education to aspiring scientists and engineers who will build a better tomorrow.(Teruoki Tago)

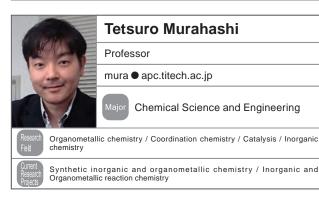
Synthesis and Transformation







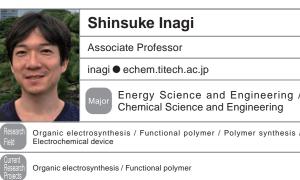
Gen-ichi Konishi	
Associate Professor	
gkonishi ● polymer.titech.ac.jp	
Major Chemical Science and Engineering	

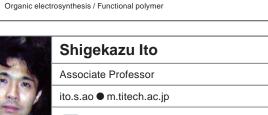


Functional Fluorescent Dye / Bioimaging / Polymer synthesis

	Koichiro Takao	
-	Associate Professor	
6	ktakao ● lane.iir.titech.ac.jp	
	Major Nuclear Engineering	
Coordination chemistry of actinides / Ionic liquids / Nuclear fuel cycle / Treatment and disposal of nuclear wastes		

Fundamental Study on Advanced Nuclear Fuel Reprocessing Based on Actinide Coordination Chemistry / Retrieval of Long-lived Fission Products from Vitrified Nuclear Wastes / Microwave Extraction of Platinum Group Metals / Exploring Catalytic Activity of Uranyl Complexes . wave-assisted Solven





Chemical Science and Engineering

Physical organic chemistry / Organic synthesis / Catalysis

Professor

Open-shell singlet heterocyles toward functional materials, Low-coordinated phosphines for (chiral) gold catalysis



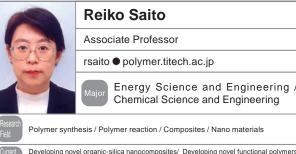
mikami.k.ab • m.titech.ac.jp

Koichi Mikami

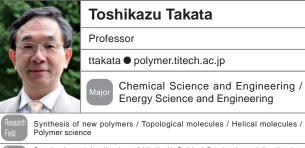
Chemical Science and Engineering

Organic chemistry / Organometallic chemistry / Organofluorine chemistry / Material science

Multicomponent coupling / BNCT drugs / Difluomethylation / Anti-Alzheimer drugs / Perfluo iso-propylation / Tropos catalysts for ester hydrogenation



Developing novel organic-silica nanocomposites/ Developing novel functional polymers for energy devices/ Developing nano-particles/ Controlling nanostructures of organic-silica nanocomposites/Controlling radical polymerization of multi-vinyl monomers



Synthesis and Application of Nitrile N-Oxide / Synthesis and Application of Rotaxane Cross-Linker / Polymer Reaction Using Metal-containing Macrocycle

Synthesis and Transformation

1 Jacobie	Hiroshi Tanaka
	Associate Professor
4 4	thiroshi ● apc.titech.ac.jp
	Major Chemical Science and Engineering
Research Field Natural produ Carbohydarat	ct chemistry / Synthetic organic chemistry / Chemical biology / e chemistry
	8F PET tracers / Synthesis of food-orientated natural products / iologically important carbohydrates
	Ikuyoshi Tomita
(22)	Professor
21	tomita ● echem.titech.ac.jp
	Major Energy Science and Engineering / Chemical Science and Engineering
Research Field Polymer synth chemistry	nesis / Polymer reaction / Functional polymer / Organometallic

 Michito Yoshizawa

 Associate Professor

 yoshizawa.m.ac • m.titech.ac.jp

 Major

 Chemical Science and Engineering

 Supramolecular chemistry / Nanospace chemistry / Material chemistry

 Iterement

 Development of functional polyaromatic nanospaces

Synthesis of Elements-block $\pi\text{-}Conjugated$ Polymers / Living Coordination Dispersion Polymerization / Three-component Polycondensation Processes

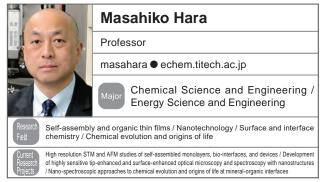
Ken Tanaka Professor ktanaka • apc.titech.ac.jp Major Chemical Science and Engineering Organic synthesis / Organometallic chemistry / Asymmetric catalysis Foregoing Asymmetric) Catalysis for Construction of Non-Centro Chiralities / (Asymmetric) Catalysis Using Cationic Transition-Metal Complexes / (Asymmetric) Synthesis of Novel Organic Molecules



Replace ${\ensuremath{\bullet}}$ by @ in e-mail address upon sending e-mail.

Functions and Physical Properties

F	9	Toshihide Baba
1 Ce	Hal	Professor
1	2-	baba.t.ab ● m.titech.ac.jp
		Major Human Centered Science and Biomedical Engineering / Chemical Science and Engineering
Research Field		enzyme / Methane transformation / Biomass conversion / ction and oxidative stress
Current Research Projects	oxidative stre	nsformation with solid catalyst and enzyme / Mechanism of ss due to phenol deriatives / butadiene production from ethanol des / Selective production of primary alcohol from alkane







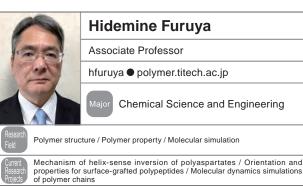
Fusao Kitamura
Associate Professor
kitamura ● echem.titech.ac.jp
Major Energy Science and Engineering / Chemical Science and Engineering
electrochemistry / Spectroscopic analysis of electrochemical

Fundamental electrochemistry / Spectroscopic analysis of electrochemic: processes / Design of functional electrodes / Electrode catalyst for fuel cells cal

Catalyst sysnthesis for polymer electrolyte fuel cells / In situ spectroscopic study of electrochemical reaction processes / Development of electrochemical evaluation techniques for battery performance

(CARA)	Ken Nakajima
	Professor
Jeren I	knakaji ● polymer.titech.ac.jp
S	Major Chemical Science and Engineering
Research Field Polymer nam	omechanics / Polymer physics / Rubber/elastomer materials
Current nanomechani	cal property mapping by atomic force microscope on various polymeric

national contractance property inapping by atomic force incloscope on various polymer materials / development of nanorheological measurement based on atomic force microscop Investigation of rubber-filler interface / heterogeneous stress distribution of stretched rubber

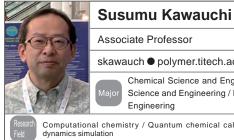




Materials Science and Engineering

solid-state chemistry / solid-state electrochemistry / thin films / surfaces and interfaces

solid-state Li batteries / functional oxide thin films / hydride thin films / scanning tunneling microscopy



Associate Professor skawauch

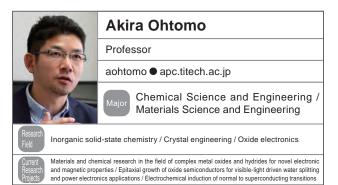
polymer.titech.ac.jp

> Chemical Science and Engineering / Materials Science and Engineering / Energy Science and Engineering

Computational chemistry / Quantum chemical calculation / Molecular dvnamics simulation

MD simulation of thermal conductivity of liquid crystals / Theoretical prediction of band gap of conducting polymers / Theoretical exploring of reaction mechanism for catalytic reactions

Constant of the	Keiji Nagai
	Associate Professor
	nagai.k.ae ● m.titech.ac.jp
	Major Energy Science and Engineering / Nuclear Engineering / Chemical Science and Engineering
Research Field Photoenergy quantum bear	conversion materials / Chemical devices / Laser-induced n
Current Research Projects Target Materia	als for Laser Energy Conversion / Organophotocatalysis



Functions and Physical Properties

	Takeshi Serizawa
lee	Professor
	serizawa ● polymer.titech.ac.jp
	Major Chemical Science and Engineering
Research Field Biopolymer chemistry	/ Natural polymer / Self-assembly / Surface and interfacial
Research derivatives /	ynthesis and applications of cellulose oligomers and their Identification and applications of polymer-binding peptides / d applications of filamentous bacteriophages
	Atsushi Shishido
	Professor
1	ashishid ● res.titech.ac.jp
	Major Energy Science and Engineering / Chemical Science and Engineering
Research Field Polymer / Lig	

Design of functional films for photonic and mechanical applications

 Yusuke Shimoyama

 Associate Professor

 yshimo • chemeng.titech.ac.jp

 yshimo • chemeng.titech.ac.jp

 Image: Chemical Science and Engineering / Energy Science and Engineering

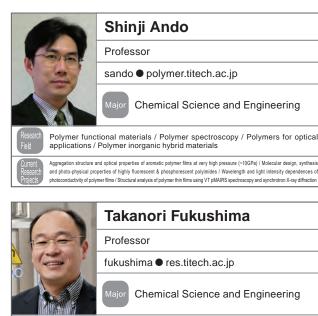
 Resert

 Supercitical fluid / Separation Engineering / Material Process

 Image: Supercitical extraction of emulsion for nanosuspension / sol-gel reaction in supercritical extraction of emulsion for nanosuspension / sol-gel reaction fabrication



Materials Structure and System



Physical organic chemistry / Functional π -electronic materials / Functional polymer materials / Molecular assembly

Electronic and optoelectronic organic materials / Functional soft materials / New methods for materials synthesis

Masatoshi Kubouchi

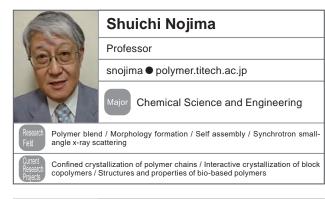


madatoom naboudin
Professor
mkubouch ● chemeng.titech.ac.jp

Chemical Science and Engineering

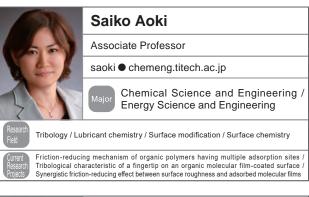
Materials for chemical equipment / Composites / Epoxy resin / Smart structure / Risk Based Maintenance / Graphene

Evaluation of durability of plastic / Creation of furan resin based green composite / Mass production of high-aspect-ratio few-layer-graph-high-speed laminar flow





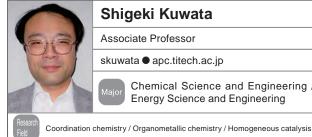
Replace • by @ in e-mail address upon sending e-mail.





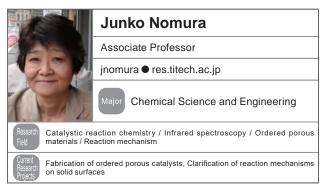


Development of transition metal catalysts for environmental low-loaded reactions / Electrochemical reduction of carbon dioxide / Electrochemistry of organotransition metal complexes



Chemical Science and Engineering / **Energy Science and Engineering**

Synthesis and catalytic application of metal-ligand cooperative bifunctional molecular catalysts / Synthesis of metal cluster compounds / Redox conversion of nitrogenous compounds





Chemical Science and Engineering

Polymer chemistry / Polymer reactions / Dynamic covalent chemistry Chemistry of soft materials

Polymer reactions based on dynamic covalent chemistry / Preparation and evaluation of self-healing polymers / Synthesis and characterization of mechanochromic polymers

Materials Structure and System

AND A	Mitsuru Satoh
1acl	Associate Professor
	msatoh ● polymer.titech.ac.jp
	Major Chemical Science and Engineering
Research Field Polyelectroly	tes (solution systems) / Polymer gels / Colloids
	of DRY MATTER as novel CO2 absorption material / Elucidation effects on the hydrophobic interaction
	Masatoshi Tokita
	Associate Professor
	mtokita ● polymer.titech.ac.jp

Major Chemical Science and Engineering

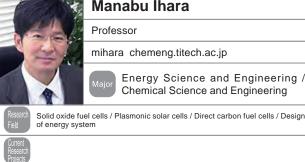
Polymer structures / Polymer properties / Polymer liqid crystals / Soft materials

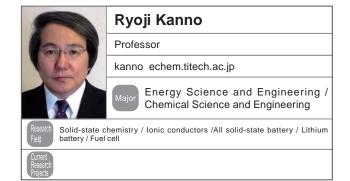
Creation of optical films using soft materials / Macroscopic orientation of microdomains of liquid crystalline block copolymers / Surface modification using polymer brushes / Nanoparticle dispersion using polymer brushes

Daisuke Takeuchi Associate Professor dtakeuch • res.titech.ac.jp dtakeuch • res.titech.ac.jp for Chemical Science and Engineering / Chemical Science and Engineering Read Professor Polymer chemistry / Organometallic chemistry / Organic chemistry Image: Polymerization of new olefin monomers / Multimetallic catalyst for olefin polymerization / Metal catalyst with cyclic ligands

Nano and Device

	Hajime Arai
-6	Professor
Nor 1	arai.h.af m.titech.ac.jp
	Major Energy Science and Engineering / Chemical Science and Engineering
Research Field Energy storag	ge device / Electrochemistry / Material Science
Current Research Projects Zinc Air Batte	ry / Aqueous Battery/ Advanced interfacial analysis
	Manabu Ihara



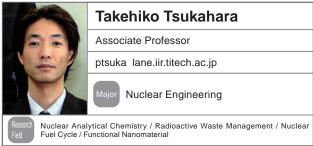




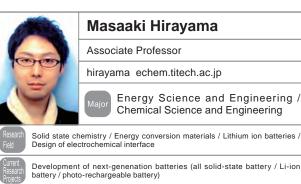
Toshiro Takao	
Associate Professor	
takao.t.aa m.titech.ac.jp	
Major Chemical Science and Engineering	

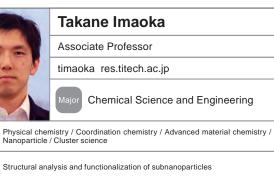
Organometallic chemistry / Coordination chemistry / Cluster chemistry / Chemistry of catalysis

Development of cluster catalysis / Sythesis of mixed-ligand polyhydrido cluster / Synthesis of hetermometalic cluster / Activation of small molecules using polyhydrido cluster



Microflidic-based analysis and separation of radionuclides / Creation of photonic crystal polymer for metal ion sensing / Novel phase-transition-based solvent extration of target radionucleides







Associate Professor (Lecturer)
motokura chemenv.titech.ac.jp
Human Centered Science and Biomedical

Catalysis / Organic chemistry / Carbon dioxide transformation / Multifunctional catalyst surface

Catalysis for highly efficient molecular transformation / Design of multifunctional catalytic surface for organic synthetic reactions / Catalytic transformation of carbon dioxide to valuable chemicals



Associate Professor

Ken Motokura

Engineering

itaniguc chemeng.titech.ac.jp

Chemical Science and Engineering / Energy Science and Engineering

Nanostructure material processing / Energy storage device / Aerosol technology / Powder enginering/ Chemical engineering

Synthesis of nanostructured electrodes for lithium sulfur and lithium ion batteries by using areosol and powder technologies / Development of novel energy storage devices



Energy Science and Engineering / Materials

Science and Engineering / Chemical Science and Engineering

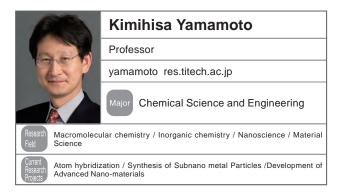
Photofunctional chemistry / Nano material / Laser

Preparation of nanoparticle by laser process / Photoacoustic bioimaging by organic nanoparticles /Cancer treatment by photodynamic therapy / Quantum dot sensitized solar cell / Lithium ion battery using nanoparticles for electrode/ Nanophosphors for white light emitting diode

Nano and Device

	Keiko Waki
	Associate Professor
14	waki.k.aa m.titech.ac.jp
	Major Energy Science and Engineering
Research Field Materials eng	gineering / Chemical engineering / Electrochemistry / Battery
Current Research Projects	of carbonnanotube for battery electrode application
-	Ichiro Yamanaka
13EL	Professor
	yamanaka.i.aa m.titech.ac.jp
	Major Chemical Science and Engineering / Energy Science and Engineering
Research Field Post-fuel cell Green chemi	/ Energy conversion chemistry / Material conversion chemistry / stry

Direct conversion of methane to higher hydrocarbons by new catalyst / Direct electrochemical synthesis of organic hydride by new electrocatalyst

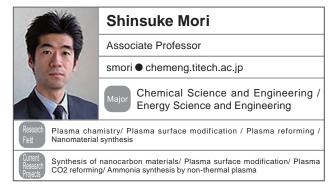


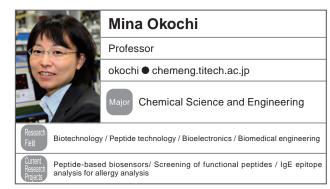
Replace ${\ensuremath{\bullet}}$ by @ in e-mail address upon sending e-mail.

Environment, Catalysis and Process



	Tetsuro Fuchino
	Associate Professor
	fuchino ● chemeng.titech.ac.jp
~	Major Chemical Science and Engineering







Hidetoshi Sekiguchi
Professor
hsekiguc chemeng.titech.ac.ip

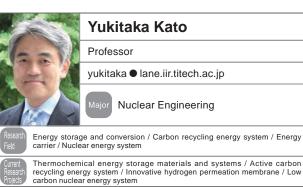
ajor Chemical Science and Engineering / Energy Science and Engineering

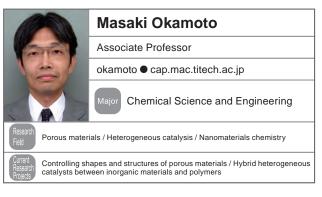
Plasma processing / Reaction enginering with high energy density field / Thermal energy engineering / Environmental chemical engineering

Bioenergy conversion using external energetic fields including plasma, ultrasound, and molten salt / Preparation of functional materials using various plasmas / Chemical energy storage

	Teruoki Tago
-	Professor
	ttago ● chemeng.titech.ac.jp
	Major Chemical Science and Engineering / Energy Science and Engineering
Research Field Biomass	gineering / Catalysis and reaction engineering / Petrochemical /
	metal-encapsulated zeolites and their application for catalytic

Synthesis of metal-encapsulated zeolites and their application for catalytic reaction / Synthesis of carbon supported metal catalysts and their application for biomass conversion





Shinichi Ookawara

sokawara • chemeng.titech.ac.jp

Specially Appointed Associate Professor

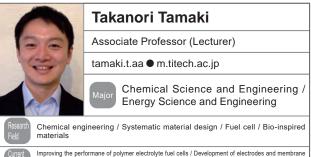
Chemical Science and Engineering



Microreactor / Microfluidic device / CFD

 3D (Printed) Micro/Mini-Fluidic Devices for Chemical, Environmental and Energy process applications

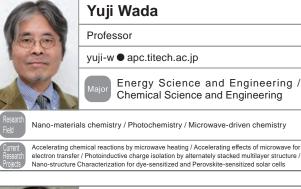




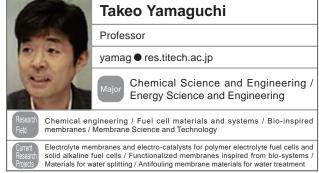
Improving the performane of polymer electrolyte fuel cells / Development of electrodes and membrane cip electrode assemblies for soil alkaline tuel cells with liquid fuels / High-power-density enzymatic biofuel cells / Molecular recognition gating membrane using DNA-conjugated thermoresponsive polymer

Environment, Catalysis and Process

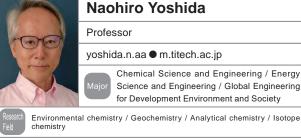
	Sakae Toyoda
and a	Associate Professor
(2)	toyoda.s.aa ● m.titech.ac.jp
	Major Chemical Science and Engineering / Energy Science and Engineering
	chemistry / Earth and environmental chemistry / Material cycle alytical chemistry
Research acidification	get analysis of atmospheric nitrous oxide / Impact of ocean on the production of nitrous oxide / Global cycle analysis of molecular hydrogen
	Keita Yamada
AR	Associate Professor
1 22 1	yamada.k.ag ● m.titech.ac.jp
No.	Major Chemical Science and Engineering / Energy Science and Engineering
Research Isotopomics Field geochemistry	/ Organic geochemistry / Environmental chemistry / Isotope y
Research diagnosis of dis	cation of volatile organic compounds in the atmosphere / Development of ease based on stable isotopic changes in metabolites / Discrimination between thetic organic compounds in foods based on stable isotpic signatures
100	Naohiro Yoshida
1	Professor



Replace • by @ in e-mail address upon sending e-mail.







Isotopologue tracers for environmental diagnosis /Material cycle analysis with isotopomers / Food and bevarage authenticity with isotopologue tracers /Origin of the Earth and life through isotopomers / Biomedical diagnosis with isotopolegues

Materials Science and Engineering

Water als Sciel	lice and Englis	eering	
Shigeo Asai	Associate Professor	MSE	P7
Masaki Azuma	Professor	MSE	P9
Yasuo Azuma	Associate Professor	MSE	P9
Toshiyuki Fujii	Professor	MSE	P4
Hiroshi Funakubo	Professor	MSE	P9
Yoshihiro Gohda	Associate Professor	MSE	P4
Michikazu Hara	Professor	MSE	P9
Teruaki Hayakawa	Associate Professor	MSE	P7
Yuhei Hayamizu	Associate Professor	MSE	P7
Miyuki Hayashi	Associate Professor Associate Professor	MSE	P4
Tomohiro Hayashi Hidenori Hiramatsu	110000100011010000001	MSE	P9
	Associate Professor Professor	MSE	P9
Taro Hitosugi Hideki Hosoda	Professor	CSE MSE	P17 P4
Hideo Hosono	Professor	MSE MSE	P4 P9
Toshiyuki Ikoma	Associate Professor	MSE	P9 P9
Tomonari Inamura	Associate Professor	MSE	P9 P4
Ken Ishikawa	Associate Professor	MSE	г4 Р7
Mitsuru Itoh	Professor	MSE	г/ Р9
Masanori Kajihara	Professor	MSE	гэ Р4
Keigo Kamata	Associate Professor	MSE	P9
Toshio Kamiya	Professor	MSE	P10
Takayoshi Katase	Associate Professor	MSE	P10
Hitoshi Kawaji	Professor	MSE	P10
Kenichi Kawaji	Associate Professor	MSE	P4
Susumu Kawauchi	Associate Professor	CSE	P17
Takeshi Kikutani	Professor	MSE	P7
Yoshisato Kimura	Associate Professor	MSE	P4
Yoshitaka Kitamoto	Professor	MSE	P10
Masaaki Kitano	Associate Professor	MSE	P10
Equo Kobayashi	Associate Professor	MSE	P4
Satoru Kobayashi	Associate Professor	MSE	P4
Yoshinao Kobayashi	Professor	MSE	P5
Shinji Kumai	Professor	MSE	P5
Yutaka Majima	Professor	MSE	P10
Akifumi Matsuda	Associate Professor (1	Lecturer)	
	(MSE	P10
Satoru Matsuishi	Associate Professor	MSE	P10
Hidetoshi Matsumoto	Associate Professor	MSE	P7
Nobuhiro Matsushita	Associate Professor	MSE	P10
Sachiko Matsushita	Associate Professor	MSE	P10
Tsuyoshi Michinobu	Associate Professor	MSE	P7
Masahiro Miyauchi	Professor	MSE	P11
Takehiko Mori	Professor	MSE	P7
Junko Morikawa	Professor	MSE	P7
Shinji Muraishi	Associate Professor	MSE	P5
Nobuo Nakada	Associate Professor	MSE	P5
Akira Nakajima	Professor	MSE	P11
Kazutaka Nakamura	Associate Professor	MSE	P11
Yoshio Nakamura	Professor	MSE	P5
Kan Nakatsuji	Associate Professor	MSE	P5
Atsushi Nishikata	Professor	MSE	P5
Fumiyasu Oba	Professor	MSE	P11
Akira Ohtomo	Professor	CSE	P17
Susumu Onaka	Professor	MSE	Р5
Kohtaro Osakada	Professor	CSE	P19
Yukio Ouchi	Professor	MSE	P7
Toshiaki Ougizawa	Professor	MSE	P8
Takumi Sannomiya	Associate Professor	MSE	Р5

Takao Sasagawa	Associate Professor	MSE	P11
Ji Shi	Professor	MSE	P5
Kazuo Shinozaki	Professor	MSE	P11
Masatoshi Shioya	Associate Professor	MSE	P8
Masato Sone	Professor	MSE	P6
Masahiro Susa	Professor	MSE	P6
Eiji Tada	Associate Professor	MSE	P6
Tomofumi Tada	Associate Professor	MSE	P11
Hiroaki Takeda	Associate Professor	MSE	P11
Masao Takeyama	Professor	MSE	P6
Tomoyasu Taniyama	Associate Professor	MSE	P11
Yoshihiro Terada	Associate Professor	MSE	P6
Yasuyuki Tezuka	Professor	MSE	P8
Takeharu Tsuge	Associate Professor	MSE	P11
Takaaki Tsurumi	Professor	MSE	P12
Mitsutoshi Ueda	Associate Professor	MSE	P6
Martin Vacha	Professor	MSE	P8
Hiroyuki Wada	Associate Professor	CSE	P21
Fumihiro Wakai	Professor	MSE	P12
Tetsuji Yano	Professor	MSE	P12
Kouichi Yasuda	Associate Professor	MSE	P12
Mamoru Yoshimoto	Professor	MSE	P12

Chemical Science and Engineering

Munetaka Akita	Professor	CSE	P15
Shinji Ando	Professor	CSE	P19
Saiko Aoki	Associate Professor	CSE	P19
Hajime Arai	Professor	CSE	P21
Toshihide Baba	Professor	CSE	P17
Tetsuro Fuchino	Associate Professor	CSE	P23
Takanori Fukushima	Professor	CSE	P19
Hidemine Furuya	Associate Professor	CSE	P17
Masahiko Hara	Professor	CSE	P17
Masaaki Hirayama	Associate Professor	CSE	P21
Taro Hitosugi	Professor	CSE	P17
Manabu Ihara	Professor	CSE	P21
Takane Imaoka	Associate Professor	CSE	P21
Shinsuke Inagi	Associate Professor	CSE	P15
Takashi Ishizone	Professor	CSE	P15
Akira Ito	Professor	CSE	P17
Shigekazu Ito	Associate Professor	CSE	P15
Ryoji Kanno	Professor	CSE	P21
Susumu Kawauchi	Associate Professor	CSE	P17
Fusao Kitamura	Associate Professor	CSE	P17
Take-aki Koizumi	Associate Professor	CSE	P19
Gen-ichi Konishi	Associate Professor	CSE	P15
Masatoshi Kubouchi	Professor	CSE	P19
Shigeki Kuwata	Associate Professor	CSE	P19
Koichi Mikami	Professor	CSE	P15
Shinsuke Mori	Associate Professor	CSE	P23
Ken Motokura	Associate Professor (I	Lecturer)	
		CSE	P21
Tetsuro Murahashi	Professor	CSE	P15
Keiji Nagai	Associate Professor	CSE	P17
Ken Nakajima	Professor	CSE	P17
Shuichi Nojima	Professor	CSE	P19
Junko Nomura	Associate Professor	CSE	P19
Akira Ohtomo	Professor	CSE	P17
Masaki Okamoto	Associate Professor	CSE	P23

Mina Okochi	Professor	CSE	P23
Shinichi Ookawara	Specially Appointed A	Associate Pr	ofessor
		CSE	P23
Kohtaro Osakada	Professor	CSE	P19
Hideyuki Otsuka	Professor	CSE	P19
Reiko Saito	Associate Professor	CSE	P15
Mitsuru Satoh	Associate Professor	CSE	P20
Hidetoshi Sekiguchi	Professor	CSE	P23
Takeshi Serizawa	Professor	CSE	P18
Yusuke Shimoyama	Associate Professor	CSE	P18
Atsushi Shishido	Professor	CSE	P18
Eiichi Suzuki	Associate Professor	CSE	P23
Teruoki Tago	Professor	CSE	P23
Toshiro Takao	Associate Professor	CSE	P21
Toshikazu Takata	Professor	CSE	P15
Daisuke Takeuchi	Associate Professor	CSE	P20
Takanori Tamaki	Associate Professor (Lecturer)		
		CSE	P23
Takuo Tanaka	Specially Appointed I	Professor	
		CSE	P18
Hiroshi Tanaka	Associate Professor	CSE	P16
Ken Tanaka	Professor	CSE	P16
Izumi Taniguchi	Associate Professor	CSE	P21
Masatoshi Tokita	Associate Professor	CSE	P20
Ikuyoshi Tomita	Professor	CSE	P16
Sakae Toyoda	Associate Professor	CSE	P24
Satoshi Uchida	Associate Professor ()	Lecturer)	
		CSE	P16
Hiroyuki Wada	Associate Professor	CSE	P21
Yuji Wada	Professor	CSE	P24
Keita Yamada	Associate Professor	CSE	P24
Takeo Yamaguchi	Professor	CSE	P24
Kimihisa Yamamoto	Professor	CSE	P22
Ichiro Yamanaka	Professor	CSE	P22
Naohiro Yoshida	Professor	CSE	P24
Shiro Yoshikawa	Associate Professor	CSE	P24
Michito Yoshizawa	Associate Professor	CSE	P16

Energy Science and Engineering

05	0	0	
Saiko Aoki	Associate Professor	CSE	P19
Hajime Arai	Professor	CSE	P21
Masahiko Hara	Professor	CSE	P17
Michikazu Hara	Professor	MSE	P9
Miyuki Hayashi	Associate Professor	MSE	P4
Hideki Hosoda	Professor	MSE	P4
Masaaki Hirayama	Associate Professor	CSE	P21
Manabu Ihara	Professor	CSE	P21
Shinsuke Inagi	Associate Professor	CSE	P15
Tomonari Inamura	Associate Professor	MSE	P4
Ken Ishikawa	Associate Professor	MSE	P7
Akira Ito	Professor	CSE	P17
Keigo Kamata	Associate Professor	MSE	P9
Ryoji Kanno	Professor	CSE	P21
Susumu Kawauchi	Associate Professor	CSE	P17
Yoshisato Kimura	Associate Professor	MSE	P4
Fusao Kitamura	Associate Professor	CSE	P17
Shigeki Kuwata	Associate Professor	CSE	P19
Akifumi Matsuda	Associate Professor (L	lecturer)	
		MSE	P10
Hidetoshi Matsumoto	Associate Professor	MSE	P7
Sachiko Matsushita	Associate Professor	MSE	P10
Masahiro Miyauchi	Professor	MSE	P11
Shinsuke Mori	Associate Professor	CSE	P23
Takehiko Mori	Professor	MSE	P7

Keiji Nagai	Associate Professor	CSE	P17
Reiko Saito	Associate Professor	CSE	P15
Takao Sasagawa	Associate Professor	MSE	P11
Hidetoshi Sekiguchi	Professor	CSE	P23
Ji Shi	Professor	MSE	P5
Yusuke Shimoyama	Associate Professor	CSE	P18
Atsushi Shishido	Professor	CSE	P18
Masato Sone	Professor	MSE	P6
Masahiro Susa	Professor	MSE	P6
Eiichi Suzuki	Associate Professor	CSE	P23
Teruoki Tago	Professor	CSE	P23
Toshikazu Takata	Professor	CSE	P15
Daisuke Takeuchi	Associate Professor	CSE	P20
Masao Takeyama	Professor	MSE	P6
Takanori Tamaki	Associate Professor (1	Lecturer)	
		CSE	P23
Izumi Taniguchi	Associate Professor	CSE	P21
Tomoyasu Taniyama	Associate Professor	MSE	P11
Ikuyoshi Tomita	Professor	CSE	P16
Sakae Toyoda	Associate Professor	CSE	P24
Mitsutoshi Ueda	Associate Professor	MSE	P6
Martin Vacha	Professor	MSE	P8
Hiroyuki Wada	Associate Professor	CSE	P21
Yuji Wada	Professor	CSE	P24
Fumihiro Wakai	Professor	MSE	P12
Keiko Waki	Associate Professor	CSE	P22
Keita Yamada	Associate Professor	CSE	P24
Takeo Yamaguchi	Professor	CSE	P24
Ichiro Yamanaka	Professor	CSE	P22
Kouichi Yasuda	Associate Professor	MSE	P12
Naohiro Yoshida	Professor	CSE	P24
Mamoru Yoshimoto	Professor	MSE	P12

Human Centered Science and Biomedical Engineering

Toshihide Baba	Professor	CSE	P17
Yuhei Hayamizu	Associate Professor	MSE	P7
Tomohiro Hayashi	Associate Professor	MSE	P9
Toshiyuki Ikoma	Associate Professor	MSE	P9
Yoshitaka Kitamoto	Professor	MSE	P10
Equo Kobayashi	Associate Professor	MSE	P4
Nobuhiro Matsushita	Associate Professor	MSE	P10
Junko Morikawa	Professor	MSE	P7
Ken Motokura	Associate Professor (Lecturer)	
		CSE	P21
Masato Sone	Professor	MSE	P6
Hiroaki Takeda	Associate Professor	MSE	P11
Takeharu Tsuge	Associate Professor	MSE	P11

Nuclear Engineering

Yukitaka Kato	Professor	CSE	P23
Yoshinao Kobayashi	Professor	MSE	P5
Keiji Nagai	Associate Professor	CSE	P17
Koichiro Takao	Associate Professor	CSE	P15
Takehiko Tsukahara	Associate Professor	CSE	P21
Toyohiko Yano	Professor	MSE	P12
Katsumi Yoshida	Associate Professor	MSE	P12

Global Engineering for Development Environment and Society

Professor

Naohiro Yoshida

P24

Tokyo Institute of Technology School of Materials and Chemical Technology

2-12-1 Ookayama, Meguro-ku, Tokyo 152-8550 Japan http://www.titech.ac.jp/english/about/organization/schools/organization03.html

1 August 2017

Copyright ©2017 School of Materials and Chemical Technology, Tokyo Institute of Technology. All rights reserved.