

3rd JSAP Fellow (2009)



Fellow Recipients	Masahiro Asada
Affiliation	Professor, Interdisciplinary Graduate School of Science and Engineering, Tokyo Institute of Technology
Title of the Accomplishment	Study of Semiconductor Laser Theory and Terahertz Electron Devices

Fellow Recipients	Hiroshi Amano
Affiliation	Professor, Department of Materials Science and Engineering, Meijo University
Title of the Accomplishment	Pioneering Work on Nitride-Based Blue Light Emitting Diodes

Fellow Recipients	Masami Ando
Affiliation	Professor, RIST (Research Institute of Science and Technology) / Faculty of Industrial Science and Technology, Tokyo University of Science
Title of the Accomplishment	Development of X-Ray and Neutron Optics and Its Application to Medicine

Fellow Recipients	Makoto Ishii
Affiliation	Professor, Division of Electrical Engineering, Kanazawa Institute of Technology
Title of the Accomplishment	Research and Development of AlGaAs Semiconductor Lasers for Long-Life-Operations

Fellow Recipients	Yoshio Itaya
Affiliation	Executive Director, Science and Core Technology Laboratory Group, Nippon Telegraph and Telephone Corporation
Title of the Accomplishment	Contributions to Long-Wavelength Semiconductor Lasers for Optical Communications

Fellow Recipients	Junji Itoh
Affiliation	Vice-President, Innovation Architect, National Institute of Advanced Industrial Science and Technology
Title of the Accomplishment	Contribution for Leading Vacuum Microelectronics Research in Japan

Fellow Recipients	Takashi Ito
Affiliation	Professor, Graduate School of Engineering, Tohoku University
Title of the Accomplishment	Pioneering Research and Development of Direct Nitridation Processes for LSI Manufacturing

3rd JSAP Fellow (2009)



Fellow Recipients	Naoshi Uesugi
Affiliation	Professor, Faculty of Engineering, Tohoku Institute of Technology
Title of the Accomplishment	The Development of Optical Fiber Cables for Long Wavelength Transmission Lines and Research on Nonlinear Optical Materials and Devices

Fellow Recipients	Akira Usui
Affiliation	General Manager, R&D Division, Furukawa Co., Ltd.
Title of the Accomplishment	Study for Epitaxial Growth of Compound Semiconductors

Fellow Recipients	Tatsuo Okada
Affiliation	Professor, Faculty of Information Science and Electrical Engineering, Kyushu University
Title of the Accomplishment	Studies on High Power Lasers and Their Applications to Science and Technology

Fellow Recipients	Yukio Okamoto
Affiliation	Professor, Faculty of Science and Engineering, Toyo University
Title of the Accomplishment	Pioneering Research and Education on Plasma Electronics

Fellow Recipients	Toshio Ogino
Affiliation	Professor, Division of Electrical and Computer Engineering, Yokohama National University
Title of the Accomplishment	Wafer-Scale Control of Nanostructure Self-Organization Based on Surface Structure Control

Fellow Recipients	Masanori Okuyama
Affiliation	Specially Appointed Professor, Graduate School of Engineering Science, and Guest Professor, Institute for Nanoscience Design, Osaka University
Title of the Accomplishment	Preparation of Dielectric and Ferroelectric Thin Films and Their Application to Functional Devices

Fellow Recipients	Masaharu Oshima
Affiliation	Professor, School of Engineering, The University of Tokyo
Title of the Accomplishment	Study on Surfaces and Interfaces of Semiconductor and Magnetic Materials Using Synchrotron Radiation

3rd JSAP Fellow (2009)



Fellow Recipients	Kentaro Onabe
Affiliation	Professor, Graduate School of Frontier Sciences, The University of Tokyo
Title of the Accomplishment	Study on Thermodynamics, Crystal Growth, and Engineering of Alloy Semiconductors

Fellow Recipients	Yuzo Ono
Affiliation	Professor, Faculty of Science and Engineering, Ritsumeikan University
Title of the Accomplishment	Establishment of "Diffractive Optics" Field by R&D Works in Holographic Optical Elements

Fellow Recipients	Toshihiko Kanayama
Affiliation	Director, Nanodevice Innovation Research Center, National Institute of Advanced Industrial Science and Technology
Title of the Accomplishment	Nanoscale Material Processing and Metrology for Semiconductor Technology

Fellow Recipients	Kenji Gamo
Affiliation	Professor Emeritus of Osaka University
Title of the Accomplishment	Development of Nanofabrication by Ion Beam Technology

Fellow Recipients	Shunji Kishida
Affiliation	Chief Researcher, NEC Patent Service, Ltd.
Title of the Accomplishment	Repair on LSI Mask and Interconnection by Laser Control and Processing

Fellow Recipients	Katsumi Kishino
Affiliation	Professor, Faculty of Science and Technology, Sophia University
Title of the Accomplishment	Research on Crystal Growth of Wide-Gap Semiconductors and Visible Light Semiconductor Lasers

Fellow Recipients	Takamaro Kikkawa
Affiliation	Professor / Director, Research Institute for Nanodevice and Bio Systems, Hiroshima University
Title of the Accomplishment	Research on Interconnect Technologies for Integrated Circuits

3rd JSAP Fellow (2009)



Fellow Recipients	Kazuhiro Kudo
Affiliation	Professor, Graduate School of Engineering, Chiba University
Title of the Accomplishment	Study of New Type Organic Transistors and Pioneer Work in the Field of Organic Electronics

Fellow Recipients	Takemitsu Kunio
Affiliation	Associate Senior Vice President, NEC Corporation
Title of the Accomplishment	Research on Si-LSI

Fellow Recipients	Yukinori Kuwano
Affiliation	President, Photovoltaic Power Generation Technology Research Association (PVTEC)
Title of the Accomplishment	The Research, Development and Industrialization of Amorphous Silicon Solar Cells

Fellow Recipients	Susumu Koike
Affiliation	Executive Vice President, Panasonic Corporation
Title of the Accomplishment	Development and Industrialization of New Semiconductor Devices and ULSI

Fellow Recipients	Shozo Kono
Affiliation	Professor, Institute of Multidisciplinary Research for Advanced Materials, Tohoku University
Title of the Accomplishment	Development of Novel Electron Spectroscopic Methods for Analyzing the Structures and Electronic States of Solid Surfaces

Fellow Recipients	Kashiko Kodate
Affiliation	Special Adviser to President, Japan Women's University
Title of the Accomplishment	Research on Diffractive Optics and Photonics Information and Support for Human Resources Development in Sciences

Fellow Recipients	Takao Kobayashi
Affiliation	Research Professor, Graduate School of Engineering, University of Fukui
Title of the Accomplishment	Research and Development of Remote Sensing Technique of the Environment with Advanced Lasers

3rd JSAP Fellow (2009)



Fellow Recipients	Tetsuro Kobayashi
Affiliation	Specially Appointed Professor, Center for Advanced Science and Innovation, Osaka University
Title of the Accomplishment	Pioneering Contributions to Ultrafast Optical Electronics

Fellow Recipients	Naoki Kobayashi
Affiliation	Professor, Department of Applied Physics and Chemistry, The University of Electro-Communications
Title of the Accomplishment	Crystal Growth of Compound Semiconductors and its Application to Semiconductor Devices

Fellow Recipients	Atsushi Koma
Affiliation	Program Director, Japan Science and Technology Agency
Title of the Accomplishment	Characterization and Control of Solid State Surfaces and Interfaces

Fellow Recipients	Masatoshi Sano
Affiliation	Professor, Faculty of Engineering, Tokyo University of Science
Title of the Accomplishment	Study of Crystal Growth and Optical Properties of Wide-Gap Semiconductors

Fellow Recipients	Tsutomu Shimura
Affiliation	Professor, Institute of Industrial Science, The University of Tokyo
Title of the Accomplishment	Real Time Optical Recording Materials and Their Application to the Optical Systems

Fellow Recipients	Fumio Shimura
Affiliation	Professor, Department of Materials and Life Science, Shizuoka Institute of Science and Technology
Title of the Accomplishment	Silicon Crystal Technology and Enlightenment on Applied Physics

Fellow Recipients	Ikuo Suemune
Affiliation	Professor, Research Institute for Electronic Science, Hokkaido University
Title of the Accomplishment	Pioneering Research on Photonic Semiconductors and Photonic Devices

3rd JSAP Fellow (2009)



Fellow Recipients	Osamu Takai
Affiliation	Professor, Graduate School of Engineering, Nagoya University
Title of the Accomplishment	Studies on Preparation and Applications of Advanced Functional Thin Films

Fellow Recipients	Kazumasa Takagi
Affiliation	Principal Staff, Department for Administration of Research Promotion, Japan Science and Technology Agency
Title of the Accomplishment	Research on Crystal Growth and Device Application of Oxide Materials

Fellow Recipients	Kanetake Takasaki
Affiliation	General Manager, The Japan Society of Applied Physics
Title of the Accomplishment	Research and Development of Leading Edge Semiconductor Device Processes

Fellow Recipients	Hidemi Takasu
Affiliation	LSI Development Headquarter, LSI Operation Headquarter Director, Member of The Board, Rohm Co., Ltd.
Title of the Accomplishment	The Realization of Semiconductor Devices Applied Ferroelectric Films and the Promotion of Academia-Industry Exchanges

Fellow Recipients	Yasuo Takahashi
Affiliation	Professor, Graduate School of Information Science and Technology, Hokkaido University
Title of the Accomplishment	Research on Silicon Single-Electron Transistors

Fellow Recipients	Yoshikazu Takeda
Affiliation	Professor, Graduate School of Engineering, Nagoya University
Title of the Accomplishment	Growth, Characterization, and Device Applications of Compound Semiconductor Heterostructures

Fellow Recipients	Chiei Tatsuyama
Affiliation	Trustee Director, Small and Medium Enterprise Assistance Center, Toyama New Industry Organization
Title of the Accomplishment	Research of the Semiconductor Surface-Superstructure and Heteroepitaxial Growth

3rd JSAP Fellow (2009)



Fellow Recipients	Shinji Tsuji
Affiliation	Chief Researcher, Central Research Laboratory, Hitachi, Ltd.
Title of the Accomplishment	Development of Semiconductor Lasers and Photo Detectors for Optical Communications

Fellow Recipients	Motoyasu Terao
Affiliation	Technical Adviser, Hitachi Computer Peripherals Co. Ltd. and Former Chief Researcher, Central Research Laboratory, Hitachi, Ltd.
Title of the Accomplishment	Research on Physical Properties of Amorphous Materials and Development of Practical Devices Utilizing Phase-Change

Fellow Recipients	Haruo Nagai
Affiliation	Executive Secretary, The Physical Society of Japan
Title of the Accomplishment	Research of Compound Semiconductors and Development of Optical Devices

Fellow Recipients	Yoshiaki Nakano
Affiliation	Professor, Research Center for Advanced Science and Technology, The University of Tokyo
Title of the Accomplishment	Pioneering Research on Semiconductor Integrated Photonics

Fellow Recipients	Kunihito Nagayama
Affiliation	Professor, Faculty of Engineering, Kyushu University
Title of the Accomplishment	Research on Shock Physics of Condensed Media and New Optical Measurement Methods

Fellow Recipients	Jun-ichi Hanna
Affiliation	Professor, Graduate School of Science and Engineering, Tokyo Institute of Technology
Title of the Accomplishment	Development of Large-Area Semiconductor Thin Films

Fellow Recipients	Toshiro Hiramoto
Affiliation	Professor, Institute of Industrial Science, The University of Tokyo
Title of the Accomplishment	Study on Silicon Nanoelectronics

3rd JSAP Fellow (2009)



Fellow Recipients	Yoshiro Hirayama
Affiliation	Professor, Graduate School of Science, Tohoku University
Title of the Accomplishment	Studies of Semiconductor Quantum Structures and Solid-State Nuclear Spin Devices

Fellow Recipients	Hiroshi Fujiyama
Affiliation	Professor, Graduate School of Science and Technology, Nagasaki University
Title of the Accomplishment	Pioneering Researches on Plasma Processing for Large-Area Uniform and/or Long Substrates

Fellow Recipients	Takashi Fuyuki
Affiliation	Professor, Graduate School of Materials Science, Nara Institute of Science and Technology
Title of the Accomplishment	Development of Semiconductor Processes Utilizing Non-Thermal Equilibrium States and Applications to Electronic Devices

Fellow Recipients	Kazuhito Furuya
Affiliation	Professor, Department of Physical Electronics, Tokyo Institute of Technology
Title of the Accomplishment	Basic Research on Optical Fibers, Semiconductor Lasers and Electron-Wave Devices

Fellow Recipients	Yoshinori Honguh
Affiliation	Chief Research Scientist, Corporate Research & Development Center, Mechanical Systems Laboratory, Toshiba Corporation
Title of the Accomplishment	Technological Research for High-Density Optical Disks

Fellow Recipients	Takeshi Maeda
Affiliation	Senior Patent Investigator, Center for Intellectual Property Strategies, Academic Patenting Support Section, Japan Science and Technology Agency
Title of the Accomplishment	Contributions to Research and Development of Rewritable and Recordable Optical Disc

Fellow Recipients	Kazuya Masu
Affiliation	Professor, Integrated Research Institute, Tokyo Institute of Technology
Title of the Accomplishment	Development of High Performance On-Chip Passives and Application to High-Speed High-Frequency CMOS Integrated Circuits

3rd JSAP Fellow (2009)



Fellow Recipients	Takashi Matsumoto
Affiliation	Professor, Interdisciplinary Graduate School of Medicine and Engineering, University of Yamanashi
Title of the Accomplishment	Research on the Crystal Science and Technology of II-VI and Multinary Compound Semiconductors

Fellow Recipients	Noboru Miura
Affiliation	Managing Director, International Center for Young Scientists (ICYS), National Institute for Materials Science (NIMS)
Title of the Accomplishment	Development of Ultrahigh Magnetic Field Techniques and Their Pioneering Application to Solid State Physics

Fellow Recipients	Seiichi Miyazaki
Affiliation	Professor, Graduate School of Advanced Sciences of Matter, Hiroshima University
Title of the Accomplishment	Study on Materials and Processing for Si-Based Devices

Fellow Recipients	Junichi Murota
Affiliation	Professor, Research Institute of Electrical Communication, Tohoku University
Title of the Accomplishment	Development of Atomically Controlled Processing by Group IV Hetero CVD Technology

Fellow Recipients	Hisayo S. Momose
Affiliation	Specialist, Center for Semiconductor Research & Development, Toshiba Corporation
Title of the Accomplishment	Study on High Performance Si CMOS Devices

Fellow Recipients	Ichirou Yamaguchi
Affiliation	Technical Consultant, Toyo Seiki Seisakusho
Title of the Accomplishment	Development of Metrology Using Laser Holography and Speckle

Fellow Recipients	Ichiro Yamashita
Affiliation	Chief Researcher, Advanced Technology Research Laboratories, Panasonic Corporation
Title of the Accomplishment	Creation of a Fabrication Process for Nano-Structures by Protein Nanotechnology

3rd JSAP Fellow (2009)



Fellow Recipients	Yohachi Yamashita
Affiliation	Fellow, Toshiba Research Consulting Corporation
Title of the Accomplishment	Research for High-Performance Piezoelectric Materials and Their Application to Medical Ultrasound Diagnostic Probes

Fellow Recipients	Tomoaki Yamada
Affiliation	Former Research Fellow, NTT Basic Research Laboratories
Title of the Accomplishment	Pioneering Research on the Development of New Crystal Materials

Fellow Recipients	Takayoshi Yamamoto
Affiliation	Director, Oarai Research Center, Chiyoda Technol Corporation
Title of the Accomplishment	Analysis of Transient Characteristics in the Interaction of Short Pulsed Ionizing Radiations with Matter

Fellow Recipients	Osamu Wada
Affiliation	Professor, Graduate School of Engineering, Kobe University
Title of the Accomplishment	Pioneering Researches on the Integration and Ultrafast-Speed Technologies for Semiconductor Photonic Devices

Fellow Recipients	Kazumi Wada
Affiliation	Professor, Department of Materials Engineering, The University of Tokyo
Title of the Accomplishment	Research on Si Photonics Based on Materials Science and Engineering