22nd JSAP Awards

The JSAP (the Japan Society of Applied Physics) Awards are given to recognize outstanding achievements in the field of applied physics for papers published in JSAP and IPAP (the Institute of Pure and Applied Physics) publications: Japanese Journal of Applied Physics (JJAP) and the membership journal "OYO BUTURI". There are three categories of the Awards: JJAP Award for the Best Original Paper, JJAP Award for the Most Promising Young Scientist, and JSAP Award for the Best Review Paper. Applications for the Awards were solicited from the candidates themselves or appropriate recommendations.

The JSAP decided themselves the winners of each award listed below. The awards recipients had a commemorative talk during the 61st Autumn Meeting of the Japan Society of Applied Physics, September 2000.

Recipients List

Award for the Best Original Paper

(1) Recipients: Yahachi SAITO, Sashiro UEMURA* and Koji HAMAGUCHI**
*Department of Electrical and Electronic Engineering, Mie Univer sity, *Ise Electronics Corp.(**Present sharp Corp.)*
Cathode Ray Tube Lighting Elements with Carbon Nanotube Field Emitters
Jpn. J. Appl. Phys. Vol.37 (1998) L346-L348.

(2) Recipients: Hiroyuki KAGESHIMA, Kenji SHIRAISHI and Masashi UEMATSU
NTT Basic Research Laboratories
Universal Theory of Si Oxidation Rate and Importance of Interfacial Si Emission
Jpn. J. Appl. Phys. Vol.38 (1999) L971-L974.

Award for the Most Promising Young Scientist

(1) Masaki NISHIMURA
Department of Electrical Engineering, Osaka University (Present: Matsushita Corp.)
Highly Efficient Electron Emission Diode of Single-Crystalline Chemical-Vapor-Deposition Diamond
Jpn. J. Appl. Phys. Vol.37 (1998) L1011-L1013.

(2) Tomoya SUGAHARA
Department of Electrical and Electronic Engineering, The University of Tokushima (Present: Oklahoma State Univ.)
Role of Dislocation in InGaN Phase Separation
Jpn. J. Appl. Phys. Vol.37 (1998) L1195-L1198.

(3) Kenji YASUDA
Advanced Research Lab., Hitachi Ltd. (Present: the University of Tokyo)
Measurement of Microscopic Spatial Distribution of Acoustic Radiation Force Using Microspheres and Electrostatic Force
Jpn. J. Appl. Phys. Vol.38 (1999) 3316-3319.

(4) Shinji KOH
Department of Applied Physics, Faculty of Engineering, The University of Tokyo
GaAs/Ge/GaAs Sublattice Reversal Epitaxy on GaAs (100) and (111) Substrates for Nonlinear Optical Devices
Jpn. J. Appl. Phys. Vol.38 (1999) L508-L511.

Award for the Best Review Paper

(1) Akihiko ISHIJIMA, Hiroaki KOJIMA* and Hiroto TANAKA**
*Department of Applied Physics, Graduate School of Engineering, Nagoya University, * Kansai Advanced Research Center, Communications Research Laboratory, ** Single Molecule Process, Project, ICORP, JST*
Simultaneous Measurement of Individual ATPase and Mechanical Reactions of a Single Myosin Molecule at Work
OYO BUTURI Vol.68, No.5 (1999) pp.556-560.

(2) Takamaro KIKKAWA
Research Center for Nanodevices and Systems, Hiroshima University
ULSI Scaling and Multilevel Interconnect Technologies
OYO BUTURI, Vol.68, No.11, (1999) pp.1215-1225.