Short Presentation

15th Nov. (Mon) 17:30~19:00 Time: 2min

P**: Presentation Number

P11

Yoshikazu TERAI

†: E	ntry to Young Researcher	Poster Award			
P01 [†]	Yoichi Takada	The University of Tokyo			
	Hydrogen Desorption Effect on Electrical Properties of Ge Epitaxial Layers on Si				
P02 [†]	Akihrio Yanai	The University of Tokyo			
	Porous Si Light Scattering Effect for highly efficient thin film Si Solar Cells				
P03	Minoru Nakamura	Hitachi, Ltd., Hitachi Research Laboratory			
	Influence of the diffusion temperature of copper on the formation of copper centers in silicon crysta				
P04 [†]	Shotaro Takeuchi	Covalent Silicon Corporation			
	GeSn stressors for Ge CMOS devices				
P05	Toru Funaki	Okayama University			
	Dislocation motion in B-doped SiGe epifilm on Si substrate				
P06 [†]	Kenji Hara	The University of Tokyo			
	Local Photothermal Analysis by Atomic Force Microscopy around Grain Boundary in				
	Multicrystalline Si Solar	Multicrystalline Si Solar Cell			
P07	Takatoshi Shimizu	Okayama Prefectural University			
	Diffusion mechanism of	3d transition metals at Si(100) surface studied by first principles calculation			
P08	Koji Araki	Covalent Silicon Corporation			
	Effect of Oxygen Precipitation in Nitrogen-Doped Annealed Silicon Wafers on Thermal Strain				
	Induced by Rapid Thermal Processing				
P09 [†]	Satoru Komatsu	Niigata University			
	Observation of vacancy in B-doped crystalline silicon using low-temperature ultrasonic				
	measurements				
P10	Takamasa Nanba	Okayama Prefectural university			
	First principles analysis	on diffusion mechanism of contamination atoms in SiO2 crystal			

Osaka university

Investigation of	of bandbap	structure in	β-FeSi2 e	pitaxial	films on	Si substrate

P12[†] Satoko NAKAGAWA Covalent Silicon Corp.

Quantitative Analysis of Low-Concentration Carbon in Silicon Wafers by Luminescence Activation Using Electron Irradiation

P13 Toshiro Minami Covalent Silicon Corporation

Generation Mechanism of Pinhole Defects in Czochralski Silicon Single Crystal

P14[†] Shotaro Baba Niigata University

Electric quadrupole effects of vacancy orbital in boron-doped silicon

P15[†] Takafumi Ogawa Niigata university

Ab-initio evaluation of quadrupole moment associated with silicon mono-vacancy

P16[†] Youichi Yamakawa Niigata University

Effects of dynamical Jahn-Teller phonons on the charge states in a silicon vacancy

P17 Masahiro Ichino Shizuoka Institute of Science and Technology

Iron impurities in n-type silicon wafer under light irradiation

P18[†] Takemi Yamada Niigata University

Green's function approach for the electronic state in a silicon vacancy

P19 Tatsuhiko Aoki Covalent Silicon Corporation

Application of the simulation of slip generation to the anneal process of silicon wafer

P20 Takuto Kojima Toyota Technological Institute

Effects of Ni contamination on Electrical Properties of (110)/(100) Si Bonded Interface

P21 Naoya Kawamoto Yamaguchi University

Growth of polycrystalline Si film at low temperature on polycarbonate substrate

P22 Yoshinori Shigematsu Okayama Prefectural University

Diffusion mechanism of contaminated metals in strained Si crystals analyzed by first principles calculation

P23[†] Tomihisa Tachibana Meiji University

Influence of high temperature annealing on electrical activity at small angle grain boundaries in multi-crystalline silicon for solar cells.

P24[†] Futoshi Okayama Institute of Space and Astronautical Science / JAXA

Deep-Level Photoluminescence Analysis at Room Temperature in Small-Angle Grain Boundaries in Multicrystalline Silicon

P25 Koun SHIRAI Osaka University

P26 [†]	Takaaki Iwai	Institute of Space and Astronautical Science / JAXA				
	Photoluminescence analysis of high concentrations of donor and acceptor impurities in Si					
P27 [†]	Kunifumi Suzuki	Tokyo Institute of Technology				
	Direct observation of stress-induced diffusion of iron impurities in silicon					
P28 [†]	Kazuki Okabe	Niigata University				
	Practical evaluation of vacansy concentration in sillicon crystals and wafers by ultrasonic					
	measurements with organic P(VDF/TrFE) transducers					
P29	Dong WANG	Kyushu University				
	Microphotoluminescence deposition	evaluation of local strain for freestanding Si membranes with SiN				
P30 [†]	Ryo Takiguchi	University of Tsukuba				
	Doping and radial distribution	on of boron atoms in silicon nanowires				
P31	Taishi Toshinori	Shinshu University				
	Evaluation of oxygen-related defects in germanium crystals grown from the melt covered by B2O3					
P32 [†]	Munehisa Takei	Meiji University				
	Improvement of spatial resolution in Raman spectroscopy by controling measurent area					
P33	Haigui YANG	Kyushu University				
	Defect evaluation and cont technique	rol of SiGe-On-Insulator subtratre fabricated by Ge condensation				
P34	Frederic Mercier	National Institute of Advanced Industrial Science and Technology				
	Numerical investigation of the growth rate enhancement in solution growth of SiC from silicon melts.					
P35	Kazuaki Takata	Okayama University				
	Interaction of Si vacancies at finite temperature: A tight-binding study					
P36 [†]	Hiroaki Kariyazaki	Okayama Prefectural University				
	Molecular simulation on interfacial structure of direct silicon bonded (110)/(100) substrates					
P37	Akitaka Yoshigoe	Japan Atomic Energy Agency				
	Relationship between adsorption states and surface morphology in oxidation of Si(111)-7x7 surface					

at 300 K studied using real-time synchrotron radiation photoelectron spectroscopy, LEED and STM