

# 27th JSAP AWARDS (Year 2005)



## JJAP Paper Award

<b>Award Recipients</b>	Takao MURAKOSHI, Yasuo ENDO, Keisuke FUKATSU, Sigeru NAKAMURA and Masayoshi ESASHI
<b>Title of the Paper</b>	Electrostatically Levitated Ring-Shaped Rotational-Gyro/Accelerometer
<b>Authours</b>	Takao MURAKOSHI, Yasuo ENDO, Keisuke FUKATSU, Sigeru NAKAMURA and Masayoshi ESASHI
<b>Affiliation</b>	TOKIMEC INC., <sup>1</sup> Tohoku University
<b>Journal</b>	Jpn. J. Appl. Phys. Vol. 42 (2003) pp.2468-2472, Part 1, No.4B, April 2003

<b>Award Recipients</b>	Takao NAKAMURA, Shinsuke FUJIWARA, Hiroki MORI and Koji KATAYAMA
<b>Title of the Paper</b>	Novel Cladding Structure for ZnSe-based White Light Emitting Diodes with Longer Lifetimes of over 10,000 h
<b>Authours</b>	Takao NAKAMURA, Shinsuke FUJIWARA, Hiroki MORI and Koji KATAYAMA
<b>Affiliation</b>	Sumitomo Electric Industries, Ltd
<b>Journal</b>	Jpn. J. Appl. Phys. Vol.43 (2004) pp.1287-1292, Part 1, No.4A

<b>Award Recipients</b>	Shinji YUASA, Akio FUKUSHIMA, Taro NAGAHAMA, Koji ANDO and Yoshishige SUZUKI
<b>Title of the Paper</b>	High Tunnel Magnetoresistance at Room Temperature in Fully Epitaxial Fe/MgO/Fe Tunnel Junctions due to Coherent Spin-Polarized Tunneling
<b>Authours</b>	Shinji YUASA <sup>1,2</sup> , Akio FUKUSHIMA <sup>1</sup> , Taro NAGAHAMA <sup>1</sup> , Koji ANDO <sup>1</sup> and Yoshishige SUZUKI <sup>1</sup>
<b>Affiliation</b>	<sup>1</sup> AIST, <sup>2</sup> PRESTO
<b>Journal</b>	Jpn. J. Appl. Phys. Vol.43 (2004) pp.L588-L590, Part 2, No.4B

<b>Award Recipients</b>	Wenhong Sun, Vinod Adivarahan, Maxim Shatalov, Shuai Wu and M. Asif Khan
<b>Title of the Paper</b>	Continuous Wave Milliwatt Power AlGaIn Light Emitting Diodes at 280 nm
<b>Authours</b>	Wenhong SUN, Vinod ADIVARAHAN, Maxim SHATALOV, Youngbae LEE, Shuai WU, Jinwei YANG, Jianping ZHANG and M. Asif KHAN
<b>Affiliation</b>	University of South Carolina
<b>Journal</b>	Jpn. J. Appl. Phys. Vol.43 (2004) pp.L1419-L1421, Part 2, No.11A <a href="http://jjap.ipap.jp/link?JJAP/43/L588/">http://jjap.ipap.jp/link?JJAP/43/L588/</a>

# 27th JSAP AWARDS (Year 2005)



<b>Award Recipients</b>	Masami ANDO, Hiroshi SUGIYAMA, Toshiyuki KUNISADA, Daisuke SHIMAO, Ken TAKEDA, Hiroyuki HASHIZUME and Hajime INOUE
<b>Title of the Paper</b>	Construction of X-ray Dark-Field Imaging with a View Size of 80 mm Square and First Visualization of Human Articular Cartilage of Femoral Head under a Nearly Clinical Condition
<b>Authours</b>	Masami Ando <sup>1,2</sup> , Hiroshi Sugiyama <sup>1</sup> , Toshiyuki Kunisada <sup>3</sup> , Daisuke Shimao <sup>2</sup> , Ken Takeda <sup>3</sup> , Hiroyuki Hashizume <sup>3</sup> and Hajime Inoue <sup>3</sup>
<b>Affiliation</b>	<sup>1</sup> KEK, <sup>2</sup> Graduate University for Advanced Studies, <sup>3</sup> Okayama University
<b>Journal</b>	Jpn. J. Appl. Phys. Vol.43 (2004) pp.L1175-L1177, Part 2, No.9A/B

## *JJAP Young Scientist Award*

<b>Award Recipients</b>	Hiomasa SHIMIZU
<b>Title of the Paper</b>	First Demonstration of TE Mode Nonreciprocal Propagation in an InGaAsP/InP Active Waveguide for an Integratable Optical Isolator
<b>Authours</b>	Hiomasa SHIMIZU and Yoshiaki NAKANO
<b>Affiliation</b>	The University of Tokyo
<b>Journal</b>	Jpn. J. Appl. Phys. Vol.43 (2004) pp.L1561-L1563, Part 2, No.12A

<b>Award Recipients</b>	Yuichi OSHIMA
<b>Title of the Paper</b>	Preparation of Freestanding GaN Wafers by Hydride Vapor Phase Epitaxy with Void-Assisted Separation
<b>Authours</b>	Yuichi Oshima, Takeshi Eri, Masatomo Shibata, Haruo Sunakawa <sup>1</sup> , Kenji Kobayashi <sup>1</sup> , Toshinari Ichihashi <sup>1</sup> and Akira Usui <sup>1</sup>
<b>Affiliation</b>	Hitachi Cable, Ltd., <sup>1</sup> NEC Corporation
<b>Journal</b>	Jpn. J. Appl. Phys. Vol.42 (2003) pp.L1-L3, Part 2, No.1A/B, 15 January 2003

<b>Award Recipients</b>	Masumi SAITOH
<b>Title of the Paper</b>	Room-Temperature Observation of Negative Differential Conductance Due to Large Quantum Level Spacing in Silicon Single-Electron Transistor
<b>Authours</b>	Masumi SAITOH and Toshiro HIRAMOTO
<b>Affiliation</b>	The University of Tokyo
<b>Journal</b>	Jpn. J. Appl. Phys. Vol.43 (2004) pp.L210-L213, Part 2, No.2A

# 27th JSAP AWARDS (Year 2005)



<b>Award Recipients</b>	Masataka HIGASHIWAKI
<b>Title of the Paper</b>	InAlN/GaN Heterostructure Field-Effect Transistors Grown by Plasma-Assisted Molecular-Beam Epitaxy
<b>Authours</b>	Masataka HIGASHIWAKI and Toshiaki MATSUI
<b>Affiliation</b>	National Institute of Information and Communications Technology
<b>Journal</b>	Jpn. J. Appl. Phys. Vol.43 (2004) pp.L768-L770, Part 2, No.6B

## *Review Paper Award*

<b>Award Recipients</b>	Yasushi NANISHI, Tsutomu ARAKI and Takao MIYAJIMA
<b>Title of the Paper</b>	InN and InGaN crystal growth and structural and property characterization
<b>Authours</b>	Yasushi NANISHI, Tsutomu ARAKI and Takao MIYAJIMA
<b>Affiliation</b>	Doshisha University
<b>Journal</b>	OYO BUTURI, Vol.72, No5, p.0565-0571 (2003)

<b>Award Recipients</b>	Yoshihisa YAMAMOTO
<b>Title of the Paper</b>	Single photons for quantum information systems
<b>Authours</b>	Yoshihisa YAMAMOTO
<b>Affiliation</b>	Stanford University
<b>Journal</b>	OYO BUTURI, Vol.72, No2, p.0146-0156 (2002)

<b>Award Recipients</b>	Yuji AWANO
<b>Title of the Paper</b>	Electron device applications of carbon nanotubes
<b>Authours</b>	Yuji AWANO
<b>Affiliation</b>	Fujitsu Laboratories Limited
<b>Journal</b>	OYO BUTURI, Vol.73, No.9, p.1212-1215 (2004)