

Information Physics and Computing in Nano-scale Photonics and Materials I Session

Session Type: Lecture
Session Code: C2L-B
Location: Room 2
Date & Time: Wednesday September 17, 2014 (10:30 - 12:00)
Chair: Naoya Tate

Papers are listed in the order they will be presented.

Paper Id	Topic	Title/Author
6143	21	Near-Field Nanophotonics for Intelligent Information Functions <i>Makoto Naruse, Masashi Aono, Song-Ju Kim, Naoya Tate, Motoichi Ohts...</i>
6220	21	Amoeba-Inspired Heuristic Search for NP-Complete Problem Solution at the Nanoscale <i>Masashi Aono, Song-Ju Kim, Seiya Kasai, Hiroyoshi Miwa, Makoto Naru...</i>
6236	21	Recent Progress Towards a Fully-Integrated Hybrid Silicon Laser Neuron Platform <i>Mitchell Nahmias, Alex Tait, Bhavin Shastri, Paul R. Prucnal</i>
6096	21	Coherent Ising Machine Based on a Laser Network <i>Shoko Utsunomiya, Yoshitaka Haribara, Yoshihisa Yamamoto</i>

Information Physics and Computing in Nano-scale Photonics and Materials II Session

Session Type: Lecture
Session Code: C3L-B
Location: Room 2
Date & Time: Wednesday September 17, 2014 (13:30 - 14:42)
Chair: Makoto Naruse

Papers are listed in the order they will be presented.

Paper Id	Topic	Title/Author
6156	21	All-Optical Reservoir Computing in Networks of Lasers <i>Daniel Brunner, Ingo Fischer</i>
6235	21	Second Harmonic Generation from Plasmonic Nanostructures: Toward New Applications <i>Jeremy Butet, Kuang-Yu Yang, Olivier J.F. Martin</i>
6164	21	Photonic DNA Processors for Optical Communication Between Nano and Macro World <i>Takahiro Nishimura, Yusuke Ogura, Kenji Yamada, Yuko Ohno, Jun Tani...</i>
6154	21	Processing Based on Fluctuations in a Nanometric Space and Corresponding Optical Applications in a Macroscopic Space <i>Naoya Tate, Makoto Naruse, Tadashi Kawazoe, Motoichi Ohtsu</i>