



10th RAP Seminar

The 10th Seminar on RIKEN Center for Advanced Photonics

Language: Japanese

Date : Mar.14 (Fri), 2014, 16:00 ~ 17:00

Location : Cooperation Center, 3F, W319, Wako Campus, RIKEN
(理研 和光キャンパス 研究交流棟3階会議室 W319)

Title : **Recent Progress and Future Prospect
of Photonic Crystals**

フォトニック結晶の現状と将来展望

Speaker : **Prof. Susumu NODA**
(Kyoto University)

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In this seminar, I will report on the recent progress in photonic crystals. The examples include (i) ultrahigh-Q nanocavities, (ii) all-Si Raman nanolasers, (iii) broad-area high-power coherent photonic-crystal lasers, (iv) thermal-emission control for environmental sensing and thermo-photovoltaic power generation system, and (v) on-demand 3D optical control. Such a broad-range of progress in photonic crystals indicates that photonic crystal research has now entered advanced phases towards realization of ultimate control of photons.