

6th RAP Seminar

The 6th Seminar on RIKEN Center for Advanced Photonics

Language: Japanese

Date : **Nov. 8 (Fri), 2013, 15:30 ~ 16:30**

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 of metamaterials**

Speaker: **Prof. Masanori HANGYO**
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“Metamaterial” is an artificially structured material with permittivity and permeability which cannot be realized in natural materials. Metamaterials are constructed of subwavelength units. In the early stage of development, the negative refractive index materials have attracted much attention, but, nowadays, metamaterials with nearly zero refractive index, large optical activity, etc. are also investigated intensively. Metamaterials are the common concept from microwave to visible regions. The basic principle of metamaterials and their recent development will be introduced including some applications.