



## Special Issue on Optical Properties of Materials

### Call for Papers

When materials are exposed to electromagnetic radiation, it is sometimes important to be able to predict and alter their responses. This is possible when we are familiar with their optical properties and understand the mechanisms responsible for their optical behaviors. For example, we note that the performance of optical fibers is increased by introducing a gradual variation of the index of refraction (i.e., a graded index) at the outer surface of the fiber. This is accomplished by the addition of specific impurities in controlled concentrations.

By “optical property” is meant a material’s response to exposure to electromagnetic radiation and, in particular, to visible light. The issue on “Optical Properties of Materials” will be focusing on the latest development in this field. Topics covered include, but are not limited to: the optical behaviors of metallic and nonmetallic materials in terms of their absorption, reflection, and transmission characteristics; luminescence, photoconductivity, and light amplification by stimulated emission of radiation (laser); the practical utilization of these phenomena; optical fibers in communications.

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on exploring **Optical Properties of Materials**.

Authors should read over the journal’s [Authors’ Guidelines](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal at [Paper Submission System](#).

Please kindly notice that the “**Special Issue**” under your manuscript title is supposed to be specified and the research field “**Special Issue — Optical Properties of Materials**” should be chosen during your submission.

According to the following timetable:

Manuscript Due	September 4th, 2013
Publication Date	November 2013

#### Guest Editor:

Dr. **Alexey Yurievich Seteikin**, Amur State University, Blagoveshchensk, Russia

Dr. **Felix Jaetae Seo**, Hampton University, USA

For further questions or inquiries

Please contact Editorial Assistant at

[opj@scirp.org](mailto:opj@scirp.org)