

## Two Dimensional (2D) Materials Photonics, Optoelectronics and Electronics

Guest Editor:

**Dr. Wenjuan Zhu**

IBM Thomas J. Watson Research  
Center, Yorktown Heights, NY,  
USA

Deadline for manuscript  
submissions:

**closed (15 September 2014)**

### Message from the Guest Editor

Dear Colleagues,

Two-dimensional materials are crystals with one to a few layers of atoms and are currently used in many fields such as optical modulator, optical switch, and ultrafast lasers. Their excellent optoelectronic and photonic properties make them shine in the field of nonlinear photonics.

This Special Issue aims to publish state-of-the-art original research articles on the investigation of the nonlinear optical properties of two-dimensional materials and their various applications in the field of photonics. Researchers are invited to contribute to this Special Issue. Topics include but are not limited to the following:

- Ultrafast and nonlinear pulse propagation in nano materials and structures;
- Semiconductor quantum dots;
- Light–matter interaction;
- Optical manipulation techniques;
- Photonic crystals;
- Nano lasers.

