

Special Issue on Functional Analysis

Functional analysis is a branch of mathematical analysis, the core of which is formed by the study of vector spaces endowed with some kind of structure such as inner product, norm, topology, etc., and the linear operators acting upon these spaces and respecting these structures in a suitable sense. The historical roots of functional analysis lie in the study of spaces of functions and the formulation of properties of transformations of functions such as the Fourier transform as transformations defining continuous, unitary etc. operators between function spaces. This point of view turned out to be particularly useful for the study of differential and integral equations.

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

The special issue publishes original papers including but not limited to the following fields:

- Set theory
- Measure and integral
- Topology
- Topological vector space
- Metric space
- Normed linear space
- Duality theory
- Generalized function
- Banach space and its geometric theory
- Hilbert space
- Operator theory and operator algebras
- Harmonic analysis
- Spectral theory

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 [Paper Submission System](#).

According to the following timetable:

Manuscript Due	August 29th, 2013
Publication Date	October 2013

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

Special Issue Editor

Editor-in-Chief:

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