Special Issue

Frequency Comb for Precise Measurement

Message from the Guest Editor

Optical frequency combs have revolutionized optical frequency metrology and precision measurement since its invention more than ten years ago. They have made it possible to directly link the optical frequency to microwave frequency, and thus they have been applied for precision measurements of fundamental constants, and high-precision atomic clocks.
Now optical frequency combs have been widely used in various applications including optical and microwave frequency synthesis, attosecond pulse generation, direct frequnecy comb spectroscopy, and precision distance measurements. In this special issue, we focus on optical frequency combs and related technologies for precise measurement and also the various applications based on optical frequency combs.

Guest Editor

Dr. Ken'ichi Nakagawa
Institute for Laser Science, University of Electro-Communications, 1-5-1 Chofugaoka, Chofu 182-8585, Japan

Deadline for manuscript submissions

closed (31 March 2014)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/2630

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

MDPI

About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)