



## Time and Frequency Transfer over Fiber Link

Guest Editor:

**Prof. Dr. Jianye Zhao**

Department of Electronics,  
Peking University, Beijing 100080,  
China

Deadline for manuscript  
submissions:

**closed (15 February 2024)**

### Message from the Guest Editor

Dear Colleagues,

Recent developments in the field of time-frequency transfer have led to renewed interest in many areas, including fundamental physics measurements, precision navigation, coherent radar array, and 5G. The requirements of these applications include increased stability and reduced cost, power consumption, complexity, and anti-interference. Therefore, there is a growing trend in developing time and frequency over fiber transmission systems to meet the abovementioned requirements.

To further advance the field of time-frequency transfer, we encourage you to submit your work to this Special Issue. Specific areas of interest in the topic include (but are not limited to) the following:

- (a) Low noise coherent laser source, including mode-locked lasers;
- (b) High-precision phase discrimination technologies;
- (c) High-stability optical frequency transmission systems;
- (d) Relay technologies for long-haul transmission;
- (e) Application opportunities for RF over fiber systems, such as phase array feed (PAF), photonics-based coherent radar, or 5G.

