



Smart Fiber Lasers

Guest Editor:

Prof. Dr. Lilin Yi

Department of Electronic
Engineering, Shanghai Jiao Tong
University, Shanghai 200240,
China

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Message from the Guest Editor

Benefitting from the exponential development of AI techniques, the study of smart fiber lasers, as a new research field, has grown rapidly in recent years owing to their salient performance enabled by intelligent laser design and optimization.

So far, diverse smart fiber lasers have been realized. In smart ultrafast fiber lasers, intelligent mode-locking and spectral programmability have been achieved. An intelligent spatial-temporal mode-lock fiber laser with various tunabilities has also been demonstrated. Smart fiber lasers have exhibited strengths in terms of emission performance, tunability, and stability. Furthermore, intelligent design and optimization methods can also find essential applications in other research fields related to fiber lasers.

We are pleased to invite you to submit your original research articles and reviews to this Special Issue, "Smart Fiber Lasers," which will focus on the recent advances in smart fiber lasers and their applications. Research areas may include (but are not limited to) the following:

- Smart fiber laser design
- Smart fiber laser optimization
- Smart nonlinear optics
- Fiber laser applications involving intelligent techniques





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Editor-in-Chief

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

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.

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Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
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