



Shanghai Institute of Optics and Fine Mechanics
Chinese Academy of Sciences

[Home](#)

[About SIOM](#)

[International](#)

[Sitemap](#) | [Contact](#) | [Home](#) | [CAS](#) | [中文](#)

[Publications](#)

[Contact](#)

[Search](#)

[Submit](#)



Shanghai Institute of Optics and Fine Mechanics
Chinese Academy of Sciences



Shanghai Institute of Optics and Fine Mechanics
Chinese Academy of Sciences

[Home](#) 2019 > [Research Divisions](#)

SITU Guohai, Ph.D.

Update time: 2019-04-17



Professor and Director
Computational optical imaging
Phone: 86-21-69913671
Email: ghsitu@siom.ac.cn

Research Focus

Imaging through scattering media; computational ghost imaging; light field imaging; digital holography; optical information processing; novel algorithms such as deep learning and compressive sensing for image reconstruction.

Honors

- [1] Distinguished young scientist award, CAS Shanghai, 2018
- [2] Holoknight, 2017
- [3] Hundred Talents Program of CAS, 2012
- [4] Editor for the journals of Applied Physics B, Applied Optics, Scientific Reports, Advanced Optical Technologies, and Chinese Laser

Publications

- [1] H. Wang, M. Lyu, and G. Situ, "eHoloNet: a learning-based point-to-point approach for in-line digital holographic reconstruction," Opt. Express 26, 22603-22614 (2018).
- [2] W. Yang, G. Li and G. Situ, "Imaging through scattering media with the auxiliary of a known reference object," Sci. Rep. 8, 8914 (2018)
- [3] M. Lyu, W. Wang, H. Wang, H. Wang, G. Li, N. Chen, and G. Situ, "Deep-learning-based ghost imaging," Sci. Rep. 7, 17865 (2017).
- [4] G. Li, W. Yang, D. Li, and G. Situ, "Cyphertext-only attack on the double random phase encryption: experimental demonstration," Opt. Express 25, 8690-8697 (2017)
- [5] W. Wang, X. Hu, J. Liu, S. Zhang, J. Suo, and G. Situ, "Gerchberg-Saxton-like ghost imaging," Opt. Express, 23, 28416 (2015)



[Home](#) | [About SIOM](#) | [International](#) | [Publications](#) | [Contact](#)

@ Shanghai Institute of Optics and Fine Mechanics Tel:02169918000 Shanghai ICP NO.0501538