A new venue to publish and promote high-quality work in the field of imaging

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Our eyes grant us the ability to observe a colorful world, and this simple biological structure has inspired the development of uncountable imaging technologies. Today, advanced imaging techniques play a crucial role in various aspects of human society, including entertainment and leisure, scientific research, and industrial production.

We are pleased to introduce *Advanced Imaging*, a new, highly selective, open-access academic journal dedicated to sharing important ideas, application breakthroughs, and fundamental theories in the field of imaging.

While there are plenty of journals in optics and photonics at large, and there is a broad and diverse community of scientists working on imaging, very few journals are dedicated specifically to imaging science.

Meanwhile, imaging has seen a complete revolution in the last two decades: from novel hardware to the AI revolution, from the continuous improvement of well-established methods to the inception of completely new concepts, and from X-ray to terahertz waves to multi-wave approaches, we have witnessed tremendous progress in microscopy, astronomy, vision science, and imaging in complex media, to cite just a few. Imaging science has thus become a vibrant domain at the cutting edge of technology, physics, computational science, and applications. The discrepancy between the vast research community and the limited academic exchange platforms makes us realize the urgent requirement for launching this Journal.

With the support from Hangzhou Institute of Technology of Xidian University and Chinese Laser Press (CLP), we are therefore delighted to present *Advanced Imaging* to the scientific community. We hope the journal will provide a leading platform for researchers, scientists, and professionals to share the latest findings, exchange ideas, and collaborate on innovative solutions in the area of imaging science. As Co-Editors-in-Chief, with our scientific life devoted to advanced imaging at the Xi'an Institute of Optics and Precision Mechanics, Chinese Academy of Sciences (for Prof. Xiaopeng Shao) and Sorbonne University (for Prof. Sylvain Gigan) respectively, we are strongly committed to the promotion of the field. As Co-Editors-in-Chief, we are furthermore strongly committed to the highest academic standards of the Journal. With the help of our editorial board, we will try our best to cover the wide topical diversity of the field, and we hope to attract high-quality submissions from the scientific community.

To reach this goal, *Advanced Imaging* will publish five types of articles: letter, research article, review article, commentary, and perspective. In the first issue of the Journal, you will find six articles, including a review article and five original research articles. These articles have covered a wide scope of topics: super-resolution reconstruction by deep learning, Fourier ptychography, fiber bundle imaging, Raman scattering imaging, single-photon LIDAR, and computational imaging. We believe these articles already showcase the diversity as well as the high-quality standards we hope to achieve for the Journal.

With this inaugural issue, we look forward to engaging with our readers and contributors as we work together to advance the field of imaging.

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