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# Advanced MEMS and Optical System Assembly and Integration

Guest Editors:

### Prof. Dr. Jianping Chen

The State Key Laboratory on Fiber Optic Local Area Communication Networks and Advanced Optical Communication Systems, Shanghai Jiao Tong University, Shanghai 200240, China

#### Dr. Di Sun

Microsoft, Washington, DC 98052, USA

#### Dr. Yu Jin

Department of Electrical & Computer Engineering, University of Washington, Seattle, WA 98105, USA

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### **Message from the Guest Editors**

The research and development of advanced MEMS and optical systems has attracted attention from both academia and industry. They are tremendously valuable for enabling new applications augmented reality/mixed reliability including (AR/MR). autonomous driving systems (ADS), unmanned aerial vehicles (UAV), optical image stabilization (OIS) and robotic vision. The whole system requires the integration of multiple components. such as MEMS scanning mirrors, laser diodes, micro-LED arrays, waveguides, image sensors, and time-of-flight (ToF) sensors. There is a strong need to develop advanced assembly and packaging processes for the individual component or large component arrays. Meanwhile, new ideas of system-level co-design and optical mechanical architecture are necessary to improve performance, miniaturization, yield, and reliability. In this Special Issue, we would like to invite you to contribute research papers, communications, and review articles related to advanced MEMS and optical system assembly and integration architectures, designs, processes, testing approaches and simulations.









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### Message from the Editor-in-Chief

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*Micromachines* Editorial Office MDPI, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/micromachines micromachines@mdpi.com X@micromach\_mdpi