

**IEEE NICK HOLONYAK, JR. MEDAL  
FOR SEMICONDUCTOR OPTOELECTRONIC TECHNOLOGIES**

2024 CONNIE JUI-HUA CHANG-  
HASNAIN (FIEEE)—Whinnery “For pioneering contributions to vertical-  
Chair Professor Emerita, cavity surface-emitting laser (VCSEL) and  
University of California VCSEL-based photonics for optical  
Berkeley, Berkeley, communications and sensing.”  
California, USA

AND

FUMIO KOYAMA (LFIEEE)—  
Professor Emeritus, Tokyo  
Institute of Technology,  
Yokohama, Japan