



Xichun Luo is a Professor in Ultra Precision Manufacturing, Director of Research of the Department of Design, Manufacturing and Engineering Management and Technical Director of Centre for Precision Manufacturing (CPM) at the University of Strathclyde.

Prof. Luo has strong research interest in fundamental studies and applied research in ultra precision machining, micro, nano and atomic scales manufacturing. His research revealed atomic level machining mechanism for semiconductor materials, Si, SiC and GaAs and ion-induced damage of diamond, and developed ultra-precision freeform machining technologies. His team established the world first 6-axis hybrid micromachine and a novel digital twin-driven smart micromanufacturing system. He invented pulse modulated local anodic lithography and rolling nanoelectrode lithography process and realized ground-breaking sub-nanometre nanostructures; for future photonics, microelectronics, medical and quantum devices.