



# CALL FOR PAPERS

**ICPCCE 2021**  
**Aug 30-31, 2021**  
**Sydney, Australia**

The International Research Conference is a federated organization dedicated to bringing together a significant number of diverse scholarly events for presentation within the conference program. Events will run over a span of time during the conference depending on the number and length of the presentations.

ICPCCE 2021 : International Conference on Photonics Communications and Communication Engineering is

the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Photonics Communications and Communication Engineering. The conference will bring together leading academic scientists, researchers and scholars in the domain of interest from around the world. Topics of interest for submission include, but are not limited to:

All-optical techniques for wavelength conversion and translation, regeneration, correlation, and mitigation of transmission impairments  
Applications to access, metro, regional, long haul and ultra-long-haul networks  
Applications to free space optical communication systems  
Applications to short-reach systems using single- and multi-mode fiber  
Channel equalization and compensation  
Channel estimation, distortion identification, and performance monitoring  
DAC, ADC and DSP technologies  
DSP complexity and power consumption

Forward error correction  
MIMO algorithms and implementations  
Nyquist and near-Nyquist signaling  
Orthogonal frequency-division multiplexing (OFDM)  
Polarization, clock, carrier, and phase recovery in coherent receivers  
Real-time demonstration of high-speed electronic circuits and subsystems  
Signal processing for space-division multiplexing  
Spectrally efficient modulation formats and detection schemes