



3rd iiScience Int'l Conference 2023

March 07-09, 2023

Recent Advances in Photonics and Physical Sciences

URL: <https://iiscience-conference.org>

The interdisciplinary event brings together experimentalists, theorists, mathematicians, info-scientists and educationists on a common platform to inspire and share state-of-the-art research and development. It covers high-tech Photonic Materials and Devices from the perspective of Physical, Chemical and Biological Sciences and resulting applications in the area of information science, energy and impact on human lives and environment. Up-to 6-pages original contributed papers and 4-page summary poster and PhD Forum papers are solicited. A poster paper(s) competition will also be held among the graduate students for the 1st, 2nd and 3rd position prizes, (\$200, \$100 & \$50), respectively.

Scope: The vision & scope of 3rd iiScience International Conference encompasses interdisciplinary & inclusive program in Optical and Physical Sciences and various intertwined branches of formal disciplines. The *first* event of the series was held at Women University Multan on Mar 02-04, 2020 and the *second* event was hosted by Government College Women University Faisalabad (GCWUF) on March 29-30, 2021 as a hybrid event; local hosts were in physical attendance while all other national and international participation was via online attendance. The *third* event (delayed from Mar 2022 to March 2023) is again being hosted by GCWUF with anticipated plans for a fully physical presence and attendance with limited online contributions. The Int'l Conference with SPIE's technical sponsorship is gaining its recognition and will provide a forum for academic & industry scientists, engineers and practitioners for sharing research and development experiences. Focusing on *Light and Energy* as main thematic areas, various branches of physical sciences span and complement Research & Development worldwide. The conference encompasses variety of materials including semiconductors for photonics, solar energy-harvesting and energy storage; fundamental light-matter interactions and applications in chemical science & engineering pertaining to a variety of phenomena. Those may include experimental findings along with their applications in emerging technologies to address the needs of humanity at local and global levels such as application of UV-light sources in disinfection to inhibit the viral outgrowth and harmful microbes. UV-sources augment or replace the chemical disinfections conducive to the sensitive environments. The scope also extends to include the environments and agricultural applications. Accepted and presented full-papers, posters-summaries and invited papers summaries will be published in SPIE's Proceedings. ***High-quality substantially extended full papers (journal-ready) will be recommended for publication in SPIE Journals appropriate and relevant to the subject & topics. SPIE Journals include;*** Adv Photonics; Journals of Biomedical Optics, App Remote Sensing, Nanophotonics, Micro/ Nano-lithography, Electronic Imaging, as well as Optics Communications and Optical Engineering J; with Impact Factors ranging from 13.8 to 1.08.

Host Organizers: Department of Chemistry, GC Women University, Faisalabad, Punjab, Pakistan

Int'l Co-Organizers: Center for Optoelectronics & Optical Communications, University of North Carolina Charlotte, NC, USA
Organizing Committee:

Patron-in-Chief: Prof. Dr. Robina Farooq (TI), Vice Chancellor

International Organizing Committee

- Prof. M. Yasin Akhtar Raja, UNC Charlotte, USA (General Chair)
- Dr. S. Ali Haider, SUNY Fredonia, USA (Int'l-Chair)
- Dr. M. Imran Asghar, Alto Univ. Finland (TPC-Chair)

- Dr. Hassina Tabassum, SUNY@ Buffalo, NY, USA (Publicity Chair)

National Organizing Committee

- Dr. Zill-i-Huma Nazli, GCWUF (Chair)
- Dr. Faiza Nazir
- Dr. Farhat Jubeen (TPC-Chair)
- Dr. Nazia Yaqoob
- Dr. Nusrat Shafiq
- Dr. Arfa Abrar Malik *

Sponsorships (*requested*): HEC, Islamabad and PHEC, Lahore, Pakistan

Technical Sponsorship (*approved*): SPIE, The International Society for Optics and Photonics (<https://spie.org>)

Paper Submission:

- Papers Submissions and Review process to be handled through **EDAS** and
- Final accepted and presented papers will be directly submitted to SPIE's by TPC through EDAS
- Conference Proceedings will be published by SPIE.
- High-quality substantially extended version of proceedings' papers will be recommended for field-relevant Journals.

Thematic Areas: *The following sample/example topics and other Light & Energy related papers are also welcome.*

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| a. Optical Materials & Devices | g. Physiological Sciences in Pharmaceuticals |
| b. Nanoscience and Chemical Processing | h. Quantum Optics and Biomedical Sensing |
| c. Photonic Devices and Chemical Engineering in Fabrication | i. Light and Renewable Energy |
| d. Photonic Applications in Environmental Chemistry | j. Battery-Technology and High-density Energy Storage |
| e. Biophotonics and Biomedical Applications | k. Emerging Trends and Technologies based on EM-Radiations |
| f. Photonics Applications in Agriculture and Food Industry | l. <i>And Relevant Topics & Workshops/Symposia</i> |

Workshop: *Web-based Simulations and Remote Access Visualization Tools for Science & Engineering Programs*

Dr. Ahmed S Khan, Prof Salah Qazi and Dr. Atilla Ozgur Cakmak (Chicago, New York and Grand Valley Univ, USA).

e-HealthCare Symposium: *Please see the link at the Website* (Maj Gen [Retd.], Prof M. Aslan, Fmr. Rector Shifa Medical Univ, Islamabad & Engr. Shaftab Ahmed, Fmr. Assoc Prof Bahria Univ, Islamabad, Pakistan and Dr. Robert Splinter, Netherland

Higher Education Forum: *Role of Emerging Technologies and Skills in Higher Education — Relevant to Pakistan*

Papers & Posters Submission Dates: (*Details available on the Conference Website*).

Registration: : (*Details available on the Conference Website*). URL: <https://iiscience-conference.org>

City of Faisalabad: Formerly known as Lyallpur, is the third-most-populous city in Pakistan, and the second-largest in the eastern province of Punjab. Historically one of the first planned cities within British India, it has long since developed into a cosmopolitan metropolis. Faisalabad was restructured into city district status; a devolution promulgated by the 2001 local government ordinance (LGO). The total area of Faisalabad District is 5,856 km² while the area controlled by the Faisalabad Development Authority (FDA) is 1,280 km² (490 sq mi). Faisalabad has grown to become a major industrial and distribution center because of its central location in the region and connecting roads, railways, and air transportation. It has been referred to as the "Manchester of Pakistan". <https://en.wikipedia.org/wiki/Faisalabad>

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