

Special Session
on
(“Optical Image processing for secure Information”)
International Conference on Computational Intelligence and Data Science
(ICCIDS 2018)
<http://iccids2018.ncuindia.edu/>
7-8th April, 2018
at
The NorthCap University, Gurugram

AIM:

Optical information security exchange over a network is a critical issue. The safe storage and transmission of digital data has become a challenge due to increase in attacks on the confidentiality and integrity of information. Reliable security in the storage of images is required in many applications for example biometric data storage or transmission, online banking system, military applications, police identification procedure, and identity cards etc. Optical security systems based on optoelectronic performs information hiding in almost real time with high accuracy, at a high speed, parallel processing with multi-dimensional keys, such as amplitude, phase, wavelength and polarization etc. It has many applications especially in areas such as security verification systems, and watermarking.

The purpose of this special issue is to provide an international forum for scientists, engineers, and researchers all over the world to present and discuss recent advances in the field of the optical information encryption and optical security. We encourage to authors across the globe to submit unpublished research work.

SCOPE: Optical Security play very important role in day to day life. Optical system are more secure and reliable over digital system because optical have many parameters for example wavelength, focal length, polarization etc. As a branch of information processing technique of encryption and decryption of information security are separated to be achieved in application, which uses in filtering, restoration and enhancement.

Topics of Interest: The topics of interest include but are not limited to:

- ❖ Topic1: Optical image encryption
- ❖ Topic2: Optical image watermarking
- ❖ Topic3: Optical information security.
- ❖ Topic4: Data hiding

Important Dates:

Extended date for submission: 30th January 2018

~~Last date for paper submission: 30th December 2017~~

Notification of Acceptance: 28th February 2018

Last date for camera ready paper: 10th March 2018

Author Registration Deadline: 15th March 2018

Conference date: 7-8 April 2018

All accepted papers will be published in Procedia Computer Science, Elsevier.

Write Brief Biography of session Chair with photograph

Dr. Hukum Singh is currently working as an Associate Professor (Physics) and Departmental Coordinator of Applied Sciences. Dr Singh has also served as Head of Deptt. of Applied Sciences. He has a teaching experience of more than 17 years to undergraduate and postgraduate students. He has completed his B. Sc. and M.Sc. from Rohilkhand University Bareilly in 1995 and 1997 respectively. He has obtained his PhD degree in 2003 with major in Physics and minor in Computer Science from Govind Ballabh Pant University of Agriculture and Technology, Pantnagar, Uttaranchal.



Prior to his appointment at NCU, Dr Singh has worked as Lecturer at Bareilly College, Bareilly, and PDM College of Engineering, Bahadurgarh Haryana. He has worked on a DST funded research project as SRF for about three years. He has 32 research publications in reputed journals and has 46 papers presented in National, International conferences and workshops as well. He has also published one book (A Text Book of Engineering Physics, Icon Publications). His research areas are Optical Information Processing, Image Encryption, various canonical Transforms-based on Signal Processing, Glasses and Photoacoustics Spectroscopy. (a) Adviser of The NorthCap University OSA student Chapter (b) Mentor of DST funded project of Rs. 30.03 Lacs (currently on going) (c) Co- PI of DRDO funded research project Rs. 8.1516 lacs (Recently completed) (d) Supervising M. Tech and Ph.D. Students. Membership of Scientific and Professional Societies (a) OSA (The Optical Society of America) (b) SPIE (Society of Photo optical Instrumentation Engineers) (c) OSI (Optical Society of India) (c) ISTE (Indian Society of Technical Education)

Research Impacts

Google Scholar

<https://scholar.google.com/citations?user=qGHhvJwAAAAJ&hl=en>

Research Gate

https://www.researchgate.net/profile/Hukum_Singh

Scopus Citations:

<https://www.scopus.com/authid/detail.uri?authorId=55627877662>

Mendeley Citations

https://www.mendeley.com/stats/author?dgcid=raven_md_stats_email&event_id=144115188151652213