



One day workshop on

# Iridology for Health-care

At Riphah Int'l University

Resource Person Dr. Tassadaq Hussain

# Workshop Agenda

1. Introduction to Iridology (Dr. Tassadaq)
2. Anatomy Behind Iridology (Umbar Waraich)
3. Iridology based Health Diagnosis System (Dr. Tassadaq)
4. Iris based Dysfunctional Lungs Identification System (Engr. Abdul Malik)
5. Iris for Stress Identification (Areeb Agha)
6. Live Practice of Iridology (Dr. Bashir Choudhry)

# Iridology Research Group

**Tassadaq Hussain**

**Associate Prof: Riphah Int'l University**  
**Barcelona Supercomputing Center Spain**  
**University de Valenciennes France**  
**UCERD Pvt Ltd Islamab**

# About

Iridology Research Group ([http://www.ucerd.com/Iridology\\_Research\\_Group.php](http://www.ucerd.com/Iridology_Research_Group.php)) is an Islamabad based research group working on development of Iridology based systems using Artificial Intelligence techniques and Processing Systems.

# Collaborators

- Barcelona Supercomputing Center Spain
- University de Valenciennes France
- UCERD Pvt Ltd Islamabad

# Research Expertise

- Iridology
- Computer Vision
- High Performance Computing
- Artificial Intelligence
- Embedded System

# Funding

- HEC NRPU 2018/19 (2.52 Millions Rs.)
  - Iris based Disease Diagnosis System
- Barcelona Supercomputing Center
  - Mobility Grant
- UCERD Pvt Ltd (1 Million Rs.)
  - Iris for Dysfunction Organs Identification
- Pakistan Science Foundation
  - Submitted => Animal Iridology

## On Going Projects/Products

- 1) Pakistan's 1st FPGA-Powered Supercomputer System
- 2) A Platform for Supercomputing and Artificial Intelligence
- 3) Development of a Scalable Heterogeneous Supercomputer
- 4) An Intelligent Real-time High Performance System for BCI applications
- 5) HPDAS: High Performance Data Acquisition System
- 6) An Intelligent and High Performance Real-time System for Heart Disease Diagnosis
- 7) An intelligent robotic prosthesis for rehabilitation
- 8) An Embedded System for Brush Less Direct Current (BLDC) Fans
- 9) An Intelligent Digital System for Foot Weight Distribution
- 10) A Real-time Disease Diagnosis System Using Iris Image
- 11) An Intelligent Internet of Thing based Edge Server
- 12) Development of a Real-time Iris based Pre-Diagnostic Tool to detect dysfunctional Liver, Kidney, Stomach, Heart and Lung organs



# Publications

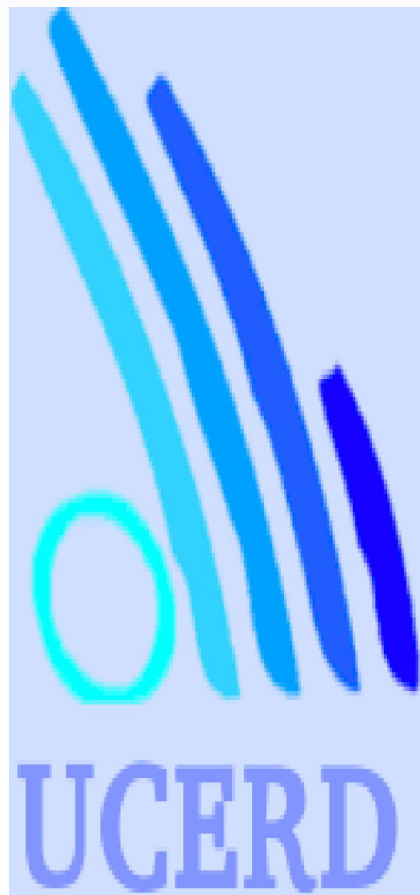
2 Journals

1 Patent

1 IEEE Conference

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