



# CDS

Department of Computational and Data Sciences

<http://cds.iisc.ac.in>

# Computational and Data Sciences (CDS)

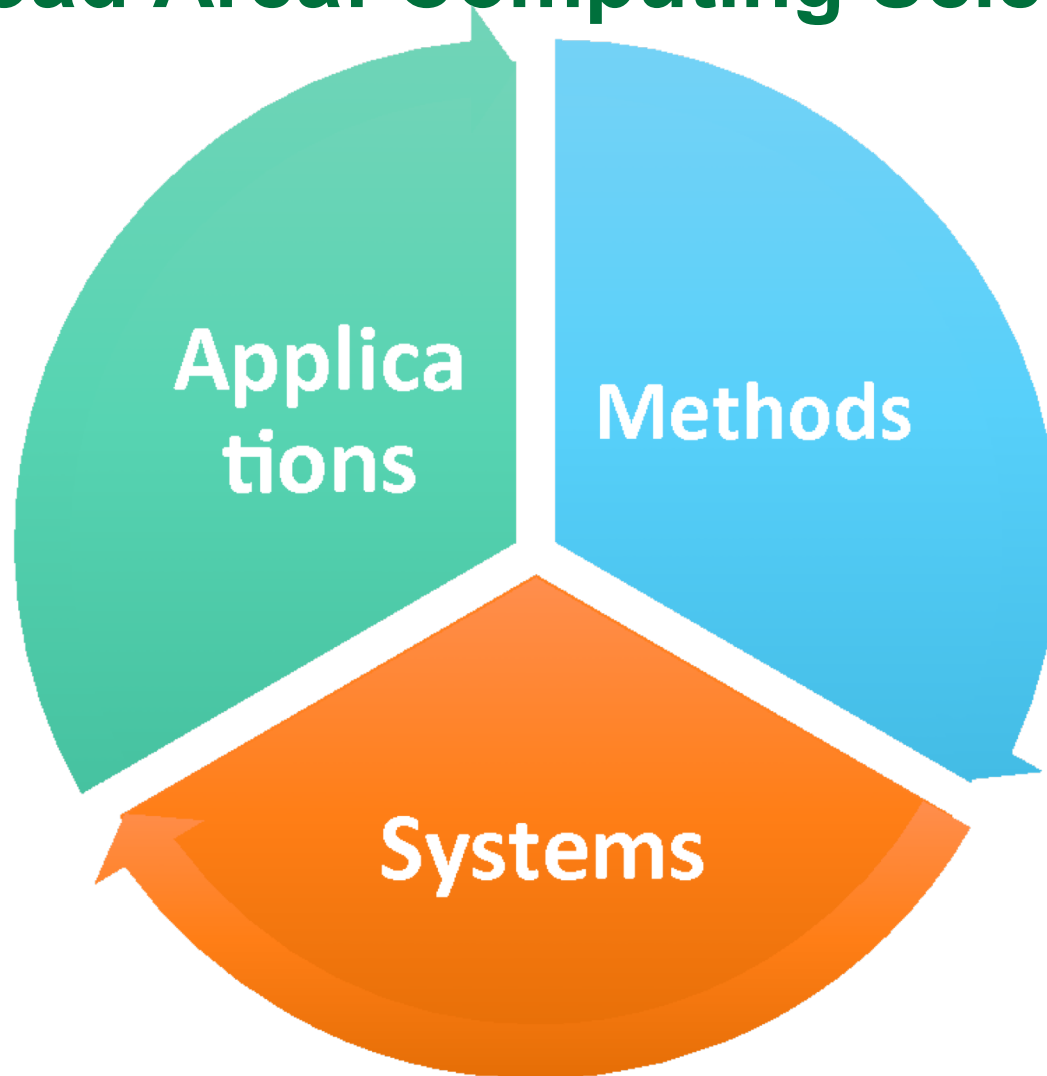
- Part of interdisciplinary research division
- Formed on December 7, 2015
  - ~3.5 years young now
- Located in SERC building
- Comes under faculty of engineering
- **Faculty**
  - Professors - 5
  - Associate Professors - 5
  - Assistant Professors - 4+2\*

# Post Graduate Programs at CDS

- Ph.D. – Doctoral program in Engineering
- M.Tech. (Research) – Masters program with thesis
- M. Tech (2 years; Course): in Computational and Data Science

# CDS Research

**Broad Area: Computing Sciences**



# Research Areas @ CDS

## Computer&Data Systems

- CAD for VLSI
- Grid Application Research
- Cloud and Distributed Computing
- Machine Learning
- Database Systems
- Video Analytics
- Computer Vision

## Computational Science

- Computational Electromagnetics
- Computational Photonics
- Medical Imaging
- Scientific Computing and Mathematical Libraries
- Computational Fluid Dynamics
- Computational Biology and Bioinformatics
- Numerical Linear Algebra
- Uncertainty Quantification

# Research Streams

- **CD-CP: Computational Science**
- **CD-CS: Computer and Data Systems**
- **Interview for CP and CS done separately**
- **Both have written and oral components.**
- **Only those selected after written, invited to oral. Both in same session.**
- **Candidates can attend interview only for one stream**
- **Stream Selection is Binding**
- **Research Labs: Select up to 3. May change at oral stage, if you clear written interview**
- **Advanced interview will be lab specific.**

# Interview Procedure

- Report 30 mins before the time in your call letter
  - 8:30 am for Morning; 1:30 pm for Afternoon
- Follow signs on the CDS lobby and move to the correct room
  - CDS Auditorium (1<sup>st</sup> floor) for CS;
  - SERC Auditorium (4<sup>th</sup> floor) for CP
- Written interview for 30 mins starts exactly at the time mentioned on your call letter
- Students selected for oral informed within the next 30 mins.
- Oral interview starts one by one