

# LIBRARY TECHNOLOGY CONCLAVE

JANUARY 27 -30, 2021



**ESCIENCE AND DIGITAL LIBRARIES:  
BUILDING COMMUNITIES FOR COLLABORATION**

[www.ltc2021.org](http://www.ltc2021.org)





# From Science to eScience to Open Science

Science cannot afford to lag behind the real-time data world in its ability to infer meaning from data and take action based on that meaning, especially when it is possible to build systems that help turn individual data/observations/records into organized datasets that can be analyzed, modeled, and visualized.

eScience is a term created by John Taylor, Director-General of the United Kingdom's Office of Science and Technology, to describe a large funding initiative in 1999. Cyberinfrastructure — a term used by National Science Foundation, US and other funders in the US, is a technological and sociological solution to the problem of efficiently connecting laboratories, data, computers, and people to enable derivation of novel scientific theories and knowledge. The Fourth Paradigm, a term coined by Jim Gray is envisioned as a new method of pushing forward the frontiers of knowledge, enabled by new technologies for gathering, manipulating, analyzing and displaying data.

Open science is a movement to make scientific research transparent, accessible, shared and developed through collaborative networks. Open data is data that's available to everyone to access, use and share. While the open-science-data movement predates the Internet, the availability of fast, ubiquitous networking has transformed the context of Open science data. The Human Genome Project is a great exemplar of the power of open data.

Digital Libraries — a domain at the intersection of many a discipline, but primarily the computer sciences and the library and information sciences, today has evolved as a domain that focuses on developing tools that help stimulate and sustain intellectual activity having no logical, conceptual, physical, temporal, or personal borders or barriers to information. eScience and digital libraries share many common elements of information management infrastructure.

LTC 2021 aims to focus on and champion the cause of eScience in India and bring experts across the disciplines of sciences and data/information sciences to a forum to build a community for collaborative research to develop the cyber infrastructure including tools for data capture, curation, and analysis, and for a communication and publication infrastructure that would foster new scientific discoveries and innovations.

Come, join us at the LTC2021, and explore the world of eScience and help build a community for collaboration!  
Professor Shalini R. Urs  
Program Chair

**LTC 2021** presents:

## Six Thematic Sessions

### 1 | eScience - the Fourth Paradigm in Research



KEY NOTE SPEAKER:

**Prof. Ram Ramaswamy**

Adjunct Professor, IIT Delhi  
Former Professor, Jawaharlal Nehru University, New Delhi, Former Vice Chancellor, Central University of Hyderabad

### 2 | Open Science & Scholarly Communication



KEY NOTE SPEAKER:

**Rob Johnson**

Founder and Director  
Research Consulting,  
Nottingham, Great Britain

### 3 | Cyber Infrastructure & Big Data Analytics



KEY NOTE SPEAKER:

**Dr. Vasant G Honavar**

Edward Prymoyer Endowed Professor of  
Information Sciences & Technology,  
Pennsylvania State University, USA

### 4 | Research Data Management



KEY NOTE SPEAKER:

**Prof. Cinzia Daraia**

Professor, Department of Computer,  
Control and Management Engineering  
"Antonio Ruberti", Sapienza University, Rome, Italy

### 5 | Social Media and Research



KEY NOTE SPEAKER:

**Prof. Abhinanda Sarkar**

Adjunct Faculty,  
Indian Institute of Science, Bengaluru  
Former Associate Dean and  
Director of Research, MYRA School of Business

### 6 | Health Informatics



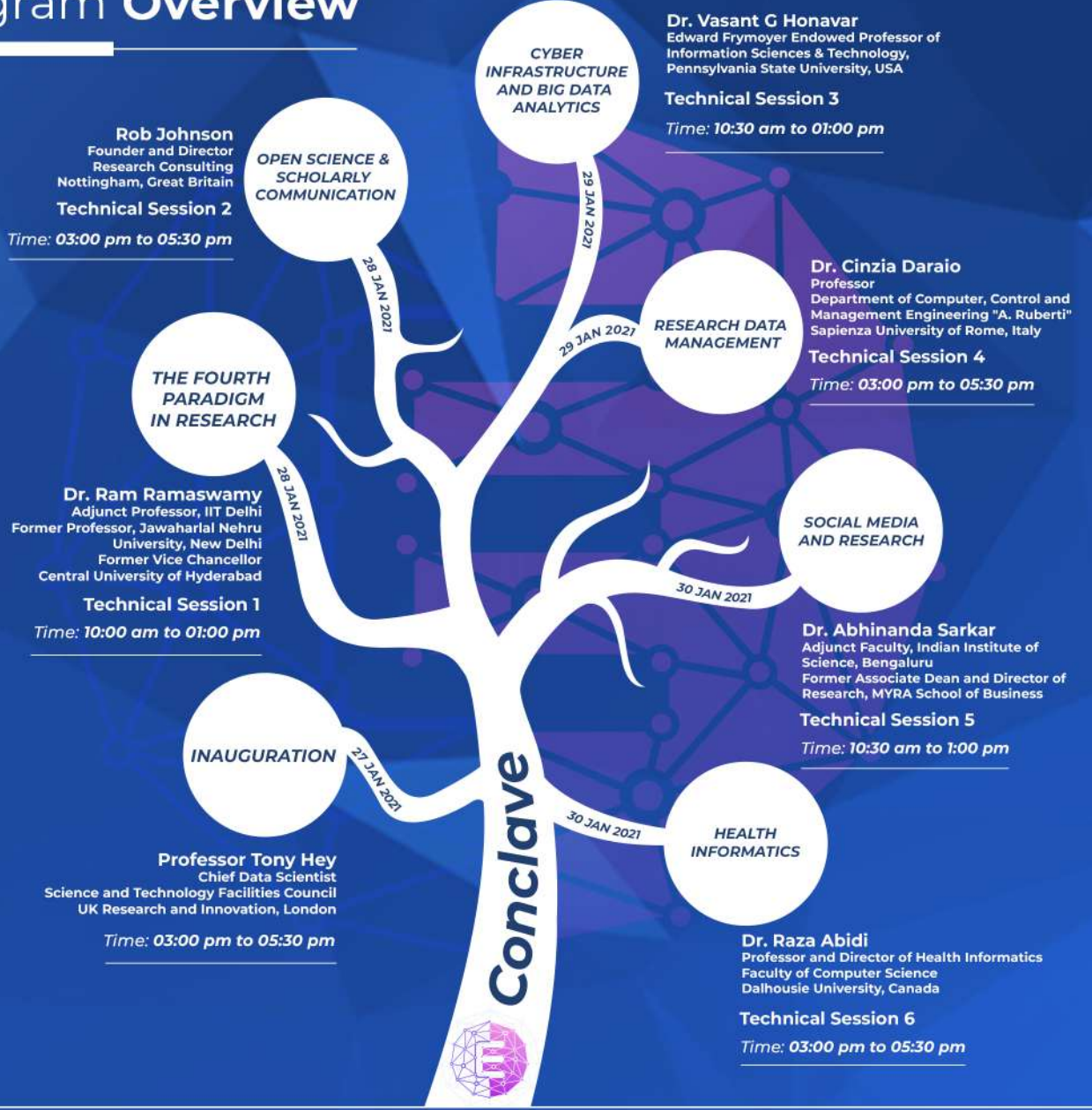
KEY NOTE SPEAKER:

**Prof. Raza Abidi**

Professor and Director of Health Informatics  
Faculty of Computer Science  
Dalhousie University, Canada



# Program Overview



## Panelists



**Mr. Madhan Muthu**  
 Librarian, Azim Premji University,  
 Bengaluru



**Dr. H. S. Siddamalliah**  
 Former Librarian and Information Officer,  
 National Institute of Mental Health & Neuro Sciences  
 (NIMHANS), Bengaluru



**Dr. Sridhar Gutam**  
 Senior Scientist, Indian Institute  
 of Horticultural Research, Bengaluru



**Dr. Ee-Peng Lim**  
 Lee Kong Chian  
 Professor of Information Systems and  
 Director, Living Analytics Research Centre,  
 Singapore Management University



**Mr. S.R.Narayanan**  
 Chief Data Officer,  
 Thranis Consulting, Singapore



**Dr. L.Venkata Subramaniam**  
 Master Inventor, Quantum Ambassador &  
 AI Neuro-symbolic Sub-theme Lead,  
 IBM, New Delhi



**Mr. Max Dekkers**  
 Independent Information Professional  
 Malaga, Andalusia,  
 Spain (Member of RDA)



**Dr. Aastha Madaan**  
 Senior Data Scientist  
 ARUP, UK



**Dr. Björn Brembs**  
 Professor of Neurogenetics,  
 Institute of Zoology,  
 University of Regensburg, Germany



**Dr. Vasudev Varma**  
 IIT, Hyderabad



**Dr. Mayank Singh**  
 Assistant Professor,  
 IIT Gandhinagar, India



**Mr. Ravi Padaki**  
 Chief Digital Officer,  
 Duroflex World, Bengaluru



**Dr. Sudeshna Adak**  
 CEO & Founder, Omix Research and  
 Diagnostics Laboratories Pvt. Ltd.,  
 Bengaluru



**Dr. Thanga Prabhu**  
 Advisor,  
 St. John's Health Innovation Foundation,  
 Bengaluru



**Dr. Sanjay Sood**  
 Associate Director and Heads,  
 Health Informatics Centre, CDAC,  
 Mohali



**Dr. V. K. Mudakavi**  
 Head, CDR - 4PL,  
 Bengaluru



**Dr. Anand Byrappa**  
 Head - Library & Data Centre,  
 Indian Institute of Science, Bengaluru



**Dr. Srinivas Bhogle**  
 Honorary Professor, CSR - 4PL,  
 Bengaluru



**Dr. M. Sai Baba**  
 Registrar, Ramkishore Applied Science &  
 Technology University,  
 Bengaluru



**Professor Shalini R. Urs**  
 Founder Chairperson,  
 MYRA School of Business,  
 Mysuru



**Ms. Rani Desai**  
 Chief Executive Officer,  
 Avahat Foundation,  
 Bengaluru

## Anchors



January 27-30, 2021

## Conclave Inauguration

January 27, 2021 : 03:00 pm to 05:30 pm

### INAUGURATION BY



**Prof. K. Vijay Raghavan**

Principal Scientific Advisor  
Government of India

### CONCLAVE KEYNOTE



**Prof. Tony Hey**

Chief Data Scientist  
Science and Technology Facilities Council,  
UK Research and Innovation, London

## CONCLAVE TEAM

### CONCLAVE

#### Co-Chairs

**Mr. N. V. Sathyanarayana**

Chairman and Managing Director,  
Informatics India Ltd., Bengaluru

**Professor M. Sai Baba**

Shri T. V. Raman Pai Chair Professor,  
National Institute of Advanced Studies, Bengaluru

**Professor Vidyadhar Y. Mudkavi**

Head, CSIR Fourth Paradigm Institute, Bengaluru

**Dr. H. S. Siddamalliah**

Former Principal Librarian and Information Officer,  
NIMHANS, Bengaluru, and former University Librarian,  
Rajiv Gandhi University of Health Sciences, Bengaluru

### INFORMATICS INNOVATION AWARD

#### Chair

**Dr. Anand Byrappa**

Head, Office of Data & Library  
Indian Institute of Science, Bengaluru

### PROGRAM

#### Chair

**Professor Shalini R. Urs**

Founder Chairperson, MYRA School of Business, Mysuru  
Former Professor, Department of Library and Information Science,  
University of Mysore  
Founder and Former Executive Director  
International School of Information Management,  
University of Mysore

### MEMBERS

**Dr. I.R. Nagana Goudar**

Adjunct Professor, Mangalore University and  
former Head, Information Centre,  
National Aerospace Laboratory, Bengaluru

**Mr. Sanjay Grover**

CEO, Informatics Publishing Ltd., Bengaluru

**Ms. Hamsa Kalyani**

Librarian, National Institute of Advanced Studies, Bengaluru

**Dr. B.M. Meera**

Former Librarian, Raman Research Institute, Bengaluru

**Mr. Devendra Thakur**

Director, Informatics Publishing Ltd., Bengaluru