गुजरात केन्द्रीय विश्वविद्यालय
CENTRAL UNIVERSITY OF GUJARAT
(Established by an Act of Parliament of India, No. 25 of 2009)

गुजरात केन्द्रीय विश्वविद्यालय
CENTRAL UNIVERSITY OF GUJARAT

School of Library and Information Science

Sector - 29, Near Jalaram Temple,
Gandhinagar, Gujarat, India - 382030
www.cug.ac.in

Virtual International Conference on
Statistical Tools and Techniques for Research Data Analysis
ICSTRDA 2021
21 & 22 January 2021

School of Library and Information Science

More and more organizations in India are embarking on new concepts in handling information. With the changing times, information formats also have changed rapidly from print on paper to digital. There is a need for qualified and trained Library and Information Science professionals to take the lead and guide developments in helping the end users in the knowledge society. Established in the year 2012, the School of Library and Information Science offers programmes which are highly relevant in the present context of knowledge society. It has been established with the objectives to train competent human resource to build and maintain the reservoir of memory, to conserve and communicate culture, heritage, science, art and folk traditions of the nation; to prepare students in the application of ICT; to develop competent professionals for promoting access to useful knowledge by the process of digitization and to involve in capacity building activities to create a Digital India at large.

About the Conference

The conference is being organized with an intention to bring top researchers in the area of statistics and research data analysis, to the forum and provide an opportunity to explore the intersection of Statistics with Data Analytics and Data Science. This will enable the students to utilize the sophisticated ways of data analysis in learning and applicability in the emerging trends in their research. The conference will focus on basics to advanced statistical methods using computational techniques and their application in research of various disciplines namely Information science, Humanities, Agriculture, Biosciences, Basic sciences, and Life Sciences.

Main Theme

The conference has invited talks, keynote addresses, research/professional paper presentations and a workshop. The main theme of the conference is **'Statistical Tools and Techniques for Research Data Analysis'**. The sub themes are mentioned below. Professional/Research papers are invited on the theme and sub theme of the conference as per the dates mentioned in the brochure.

Sub Themes

Graph Analysis	Research Metrics	Artificial Neural Network
Fuzzy computing	Biostatistics	Bayesian Models and Methods	Financial Statistics	Data Analysis
Survey Methodology	Statistical Quality	Data Visualization	Communicative Statistics
Research Data Management	Computational Statistics

Workshop on R Markdown: Authoring Framework for Scholarly Communication

R markdown is a package that mixes markdown and R code chunks. It provides an easy way to produce a rich, fully documented reproducible analysis. The knitr package execute the R code while the obtained result processed and transferred to the final document.

Prof. Rama Shanker Dubey
Hon'ble Vice-Chancellor, CUG

Prof. Alok Gupta
Registrar (Offg.), CUG

Prof. Atanu Bhattacharya
Dean, SLIS, CUG

Invited Speakers

Prof. Jane Greenberg
Drexel University Philadelphia, USA

She is the Alice B. Kroeger Professor and Director of the Metadata Research Center at the College of Computing & Informatics, Drexel University. Her research activities focus on metadata, knowledge organization/semantics, linked data, data science, and information economics. She serves on the advisory board of the Dublin Core Metadata Initiative (DCMI). She is a principal investigator (PI) on the NSF Spoke initiative. She is also a co-PI for Drexel's NSF. Most recently she was recognized as a 2016 ELATE at Drexel® Fellow and in 2014, and a Data Science Fellow at the National Consortium for Data Science, Chapel Hill, North Carolina.

Mr. Jay Bhatt
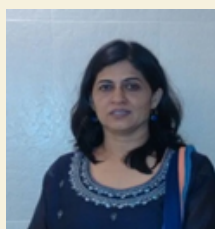### Librarian, Drexel University, Philadelphia, USA

He is responsible for building library collections in engineering subject areas, outreach to faculty and students, and eaching information and research skills to engineering faculty and students. He provides individual and small group consultations to students, instructional sessions to specific classes, online research support in both face to face and distance learning programs and workshops for specialized research areas. Mr. Jay is actively involved with the Engineering Libraries Division of the American Society for Engineering Education. He experiments with innovative applications of Web 2.0 to enhance information awareness among faculty and students.

Prof. Sanjoy Kumar Pal
Skyline University, Kano, Nigeria

Prof. Sanjoy holds a degree of Ph.D. from the Indian Veterinary Research Institute and has done his post-doctoral studies from the Indian Institute of Toxicological Research and Sanjay Gandhi Postgraduate Institution of Medical Sciences, Lucknow. Prof. Sanjoy has over 75 research publications in international journals and over 95 research abstracts. His research work on alternative cancer treatment attracted the attention of the Office of the Cancer Complementary & Alternative Medicine (OCCAM) - National Cancer Institute, Bethesda, USA. Prof. Sanjoy has a core competency in Genetics, Molecular Biology, Biotechnology, Proteomics, and Alternative & Naturopathic Medicine.

Prof. Devika P Madalli
Indian Statistical Institution, Banglore

She is Head of the Documentation Research and Training Centre, Indian Statistical Institute, India and an Adjunct faculty, DISI, University of Trento, Italy. Dr.Madalli is a member of the Technical Advisory Board (TAB) of the Research Data Alliance, a worldwide alliance for facilitation of the data sharing. Her main interest is to work towards the goal of "Knowledge for All". Her interest lies in the area of Open learning resources, Open Data Repositories and Data Management, Knowledge Organization and application of facetization in Information Systems, Information Infrastructures, Agrisemantics, Digital Libraries, Semantic Web technologies, Faceted Ontologies, Content Management System, multilingual information services.

Dr. Simon James Fong
Associate Prof., Computer and Information Science Department, University of Macau

Simon Fong graduated from La Trobe University, Australia, with a 1st Class Honours BEng. Computer Systems degree and a PhD. Computer Science degree in 1993 and 1998 respectively. He is a co-founder of the Data Analytics and Collaborative Computing Research Group in the Faculty of Science and Technology. Dr. Fong has published over 432 international conference and peer-reviewed journal papers, mostly in the areas of data mining, data stream mining, big data analytics, meta-heuristics optimization algorithms, and their applications. He serves on the editorial boards of the Journal of Network and Computer Applications of Elsevier (I.F. 3.5), IEEE IT Professional Magazine, (I.F. 1.661) and various special issues of SCIE-indexed journals.

Prof. Pit Pichhapan
Director, Digital Information Research Labs, Chennai

Prof. P. Pichappan is working as the Senior Scientist and Director at the Digital Information Research Labs., Chennai, India and Ilford, UK. His current interests include Scientific Communication, Digital Information Management, Scientometrics, Text mining, Natural Language Processing and Research Evaluation. He is the editor of the International Journal of Bio-inspired Computing and Journal of Digital Information Management. He is associated with the editorial board of five international journals. He has published over 125 research papers in several international journals. He is the International Program Committee Member of over 100 International Conferences.

Special Presentation on "Role of Data and Statistical Analysis for Assessment of Urban Water Security in the Global South"

Subham Mukherjee
Daad-PhD scholar, Freie University of Berlin

Subham is a DAAD-Ph.D. Scholar working on Urban Water Security assessment at the Freie University of Berlin, Germany. His PhD project explores the dimensions and issues for quantitative assessment of urban water security in Kolkata. He holds 3 M.Sc. Degrees. M.Sc. in Ecohydrology, in GIS for Catchment Dynamics and Management and Remote Sensing and GIS . He is a Postgraduate fellow of the Royal Geographical Society (with IBG) where he served as an Ambassador of Geography (2009 – 2010) to promote Geography in Schools.

Dr. Trude Sundberg
Senior Lecturer in Social Policy at the University of Kent's SSPSSR

Dr Trude Sundberg is Senior Lecturer in Social Policy at the University of Kent's School of Social Policy, Sociology and Social Research (SSPSSR), UK. She received an M.Sc. in Comparative Politics (Research) from the London School of Economics and Political Science and an M.Phil in Political Science from the University of Oslo, before completing her PhD at the SSPSSR. She is Joint Coordinator of the Kent's Q-Step Centre, a centre which aims to combine innovative teaching and applied social sciences to the benefit of both our own students as well as the wider population in Kent, and in particular students in Secondary Education.

Prof. Brigitta Schütt
German geographer and professor of physical geography at the Institute for Geographical Science at the Freie Universität Berlin

Professor (Dr) Brigitta Schütt is a German geographer and professor of physical geography at the Institute for Geographical Science at the Freie Universität Berlin, Germany. She studied geography at the University of Würzburg until 1988 and then did her doctorate at RWTH Aachen University. In 1998 she completed her habilitation at the University of Trier. After head of the department of physical geography at the University of Trier from 2000 to 2002 and a visiting professorship for physical geography at the University of Bonn in 2002, she has held the chair for physical geography at the Free University of Berlin since the end of 2002. She was Vice President of the Free University of Berlin from 2010 to 2018. Since 2012 she is a member of the Commission for Geomorphology of the Bavarian Academy of Sciences and the geosciences section of the National Academy of Sciences Leopoldina, Germany.

Prof. Pradip Kumar Sikdar
Prof. in Department of Environment Management, Indian Institute of Social Welfare and Business Management IISWBM, Kolkata

Prof. P.K. Sikdar is a Professor in Department of Environment Management, Indian Institute of Social Welfare and Business Management IISWBM, Kolkata, Fellow of West Bengal Academy of Science and Technology and former Acting Registrar, IISWBM. He is actively engaged in research and teaching of groundwater hydrology and environmental impact assessment with over 30 years of experience in project management and implementation, field and research work in groundwater systems including the application of computer models. He is a recipient of the 22nd Dewang Mehta Business School Award 2014 for the 'Best Professor in Water Resources Management', and Groundwater Science Excellence Award in 2015 by the International Association of Hydrogeologists (India Chapter).

Organising Team:

Patron: Prof. R.S. Dubey, Hon' Vice-Chancellor, Central University of Gujarat, Gandhinagar.

Chairperson: Prof. Atanu Bhattacharya, Dean, SLIS.

Conveners: Dr. Minaxi Parmar, Asst.Prof. & Coordinator SLIS,CUG
Prof. R.Y. Hiranmai, Prof. SESD, CUG.

Members: Dr. Bhakti Gala, Asst. Prof. SLIS, CUG.
Dr. Rashmi. T. Kumbar, Asst. Prof. SLIS, CUG.
Dr. Paulami Sahu, Asst. Prof. SESD, CUG.
Dr. K.B. Agadi, I/C Librarian, CUG.

Advisory Committee:

Prof. Alok Gupta, CUG
Prof. Atanu Bhattacharya, CUG
Dr. H.G.Hosamani, INFLIBNET
Dr. Eric Ndemo Okoyo, Haramaya University

Review Committee:

Dr. Dharmendra Kumar Dubey, Bule Hora University, Ethiopia
Dr. Kalandar Ameer, Jigjiga University, Ethiopia
Prof. Anil Suthar, *TISS, Mumbai*
Prof. R.Y. Hiranmai, *CUG*
Dr. Paulami Sahu, *CUG*
Dr. K.B. Agadi, *CUG*
Dr. Raju Chouhan, *CUG*
Dr. Mitesh Pandya, *INFLIBNET*
Dr. Hansa Jain, *SPISER*
Dr. Litty Denis, *CUG*
Dr. Zakia Findous, CUG

Guidelines for Abstract Submission for Full Paper and Poster

- **A**bstracts should be around 250 – 300 words and should be relevant to the conference theme and sub-themes.
- Abstracts should be in English and must be based on the sub themes of the conference and have not been published or presented before.
- **C**ontributors of accepted abstracts must register and attend the conference.
- **A**bstracts are to be sent to: ICSTRDA-2021@cug.ac.in

Important Dates

Submission of Abstracts Extended upto
15th December 2020

Notification of Acceptance of abstract to the contributors
20th December 2020

Submission of Full papers:
10th January 2021

Conference Proceeding

The conference proceeding will be published in electronic media with ISBN.

Electronic Platform

Zoom

The joining link of the conference will be sent to the registered email address before one week of the conference.

Guidelines for Full Paper/ Poster

- **Author guidelines:** Paper/poster should include Title, Author details, Abstract, Keywords and conference Id.
- Length of the paper should be maximum 3000 words
- Paper should be in MS-Word format with Font – Times New Roman, Size – 12, and Line Space – 1.5
- Poster should be in JPG, JPEG, PIN format but should be clear with clarity.
- APA style guidelines should be used for references.
- The Paper/Poster submitted will be reviewed by the Review Committee. Accepted papers will be presented during the conference and also published as conference proceedings.
- Presentation criteria will be sent on registered email address.
- Your abstract/ full paper are to be sent to: ICSTRDA-2021@cug.ac.in

Registration Fees

Participants	Amount (INR)
Students/Scholars Without/with contribution/ presentation...	200/-
Working professional/Academician without/with contribution/ presentation...	300/-
Delegates from Abroad (Only Indian Currency Credit/Transferred will be acceptable.).............................	1500/-

Bank Details to credit the Registration Fee

Name of the Account: CUG School of Library and Information Science
Name of the Bank: Canara Bank
Name of the Branch: CUG Gandhinagar
Account No. : 5999101000800
IFSC Code: CNRB0005999

Registration Form:

Click on this link to register yourself.

You are cordially invited
"Organising Team, ICSTRDA, CUG"

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