NATIONAL CONFERENCE ON ARTIFICIAL INTELLIGENCE IN HEALTH INFORMATICS & VIRTUAL REALITY

Centre for Hospital Management, School of Health Systems Studies, TISS & CII

30th & 31st August, 2019
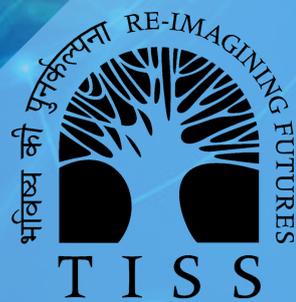**TATA INSTITUTE OF SOCIAL SCIENCES**
DEONAR, MUMBAI
Venue : Convention Centre, TISS

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RE-IMAGINING FUTURES
भविष्य को पुनर्कल्पना
TISS

ARTIFICIAL INTELLIGENCE IN HEALTH INFORMATICS & VIRTUAL REALITY

"As a field drowning in information with a life-or-death need to understand it, healthcare is ripe to benefit from Artificial Intelligence."

-John Glaser. Ph.D. Senior Vice President of Population Health, Cerner

The emerging use of AI in healthcare sector can be seen as a collection of technologies enabling machines to sense, comprehend, act and learn so they can perform administrative and clinical healthcare functions, as well as be used in research and for training purposes. Artificial intelligence (AI), Machine Learning (ML) and Deep learning (DL) enables healthcare organisation to analyse immense volume and variety of data with an improved capacity to collect huge sums of information and has led to the demand for big data analytics.

AI is ready to support physicians, customer service representatives and administrative staff by offering automation of clinical documentation, administrative workflow assistance, image analysis, virtual observation and patient outreach. The various stakeholders in the AI and healthcare ecosystem work together for a successful adoption and implementation of AI in healthcare. These stakeholders are practitioners. research and industry bodies, government, investors and developers.

Systematically curated health data helps in identifying correlations between novel disease and people would get the best treatments. Making electronic health records available to public and researchers will also enhance the research and development in the health industry.

For adopting Artificial Intelligence for Health Informatics in India, several strategies can be implemented such as enabling access to data, encouraging AI research and development, formulating a multi stakeholder plan for AI, pushing for adoption of AI by business and public sector, equipping existing and future labour forces with skills set to successfully adopt AI, design standards and appropriate certification system for health systems driven by AI, continuous monitoring and research into impact of AI and emphasize privacy and security.

Artificial Intelligence is playing a role in transformative changes in health and healthcare both in and out of clinical setting. It is shaping the future of public health, community health and healthcare delivery from a personal level to a system level.

MAJOR FOCUS AREAS

- Artificial Intelligence in healthcare
- Health Informatics

OBJECTIVES OF THE CONFERENCE

- The goal of the emerging application track is to "bridge the gap" between basic AI in healthcare & deployed AI in Health Informatics.

- The conference aims to provide a platform for the exchange of information on the latest trend in AI and how the trends are helping achieve Sustainable Healthcare Development.

- The conference will provide high-level executive briefings on the most important developments in AI for transformational Healthcare Leadership Competencies.

TARGET AUDIENCE

- CEO's / Medical Directors
- Healthcare experts
- IT and AI experts
- Superintendents
- Doctors/ Medical students
- LIS & ICT Professionals
- Data Scientists
- Students

VENUE

Convention Centre, TISS Malti and Jal A.D. Naoroji Campus, Deonar Farm Road, Deonar, Mumbai- 400088.

PAPER PRESENTATION THEMES

- Artificial Intelligence Tools & Applications in Health informatics
- Natural Language Processing
- Data Mining and Machine Learning Tools
- Information Retrieval System
- Knowledge Representation
- Knowledge-based Systems
- Semantic Web Techniques and Technologies
- Web Intelligence Applications and Search
- Big data analytics
- knowledge discovery and data mining
- Biomedical ontologies and terminologies
- Biomedical knowledge acquisition and management
- Knowledge-based reasoning in bio medicine
- Document classification and information retrieval
- Healthcare processes and workflow management
- Computerized clinical practice guidelines (CPGs) and protocols
- Visual analytics in bio medicine,
- Clinical decision support systems (CDSSs)
- Patient engagement support (personal healthcare record)
- AI solutions for ambient assisted living, telemedicine and e-health.

SUBMISSION GUIDELINES

- All conference Papers will go through plagiarism check to find out the originality of the content.
- The papers will undergo a Peer Review mechanism.
- Selected Papers will be published in the form of Conference Proceedings with ISBN.
- References and format should be strict as per APA style only.
- All authors of accepted papers are requested to submit an author declaration form and copyright form as well.
- The paper can be presented individually or in a group.
- If presented in a group, the number of individuals should not be more than 4.
- Paper abstract should not be more than 250 words.

REGISTRATION FEES

- Regular Registration: ₹ 2,500
- Student Registration: ₹ 750
- Paper Registration: ₹ 1,000/paper
- Stall Registration: ₹ 25,000

Papers may be sent to on or before **August 20th 2019** on **aihealthinfoconferencetiss@gmail.com**

Link to Sponsorship Form

https://docs.google.com/forms/d/1h_MzEhcW4mcOCmmNbusx-910OzJQtWAM9i8N3w49QG8/viewform?edit_requested=true

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ONLINE PAYMENT PARTICULARS

Tata Institute of Social Sciences V. N. Purav Marg, Deonar Mumbai-400088

Particulars of the Bank Account - (for RTGS/EFT/NEFT/E-payment)

i) **Beneficiary Name** - TATA INSTITUTE OF SOCIAL SCIENCES
ii) **Account No.** - 10895954226
iii) **City** - Mumbai
iv) **Bank Name** - State Bank of India
v) **Branch** - Deonar Branch
vi) **Bank MICR Code** - 400002023
vii) **Bank IFSC Code** - SBIN0003109
viii) **Account Type** - Current

Note : Kindly furnish the receipt or record of the payment at the reception desk on the day of the conference.

CONFERENCE PARTNERS

CII

Confederation of Indian Industry

The Confederation of Indian Industry (CII) works to create and sustain an environment conducive to the development of India, partnering industry, Government, and civil society, through advisory and consultative processes.

CII is a non-government, not-for-profit, industry-led and industry-managed organization, playing a proactive role in India's development process. Founded in 1895, India's premier business association has around 9000 members, from the private as well as public sectors, including SMEs and MNCs, and an indirect membership of over 300,000 enterprises from around 276 national and regional sectoral industry bodies.

CII charts change by working closely with Government on policy issues, interfacing with thought leaders, and enhancing efficiency, competitiveness and business opportunities for industry through a range of specialized services and strategic global linkages. It also provides a platform for consensus-building and networking on key issues.

Extending its agenda beyond business, CII assists industry to identify and execute corporate citizenship programmes. Partnerships with civil society organizations carry forward corporate initiatives for integrated and inclusive development across diverse domains including affirmative action, healthcare, education, livelihood, diversity management, skill development, empowerment of women, and water, to name a few.

India is now set to become a US$ 5 trillion economy in the next five years and Indian industry will remain the principal growth engine for achieving this target. With the theme for 2019-20 as 'Competitiveness of India Inc - India@75: Forging Ahead', CII will focus on five priority areas which would enable the country to stay on a solid growth track. These are - employment generation, rural-urban connect, energy security, environmental sustainability and governance.

With 66 offices, including 9 Centres of Excellence, in India, and 10 overseas offices in Australia, China, Egypt, France, Germany, Singapore, South Africa, UAE, UK, and USA, as well as institutional partnerships with 355 counterpart organizations in 126 countries, CII serves as a reference point for Indian industry and the international business community.

Confederation of Indian Industry (Western Region)
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ABOUT CENTRE FOR HOSPITAL MANAGEMENT

The Centre for Hospital Management (CHM) was set up in 2011 as a part of the School of Health System Studies. CHM is primarily focusing on research and development in the hospital industry in the public and private sectors. It is also contributing to improving the healthcare system by carrying out capacity building, publications, consultancies and working with various hospitals.

The centre has designed one full-time masters degree and two postgraduate diploma programmes for working professionals. The Master of Hospital Administration (MHA) is the leading programme of its type in the country and has had the legacy to attract the best talent of the nation. The two postgraduate diploma programmes are Executive Post Graduate Diploma in Hospital Administration (EPGDHA) and Post Graduate Diploma in Healthcare Quality Management (PGDHQM). The programmes have been set up to equip the senior hospital administrators and managers with the necessary managerial resources to help them manage their hospitals efficiently and effectively and also enhance their leadership capacities in a wide spectrum of the healthcare industry.

ABOUT SCHOOL OF HEALTH SYSTEMS STUDIES

In 1989, the Institute established the Department of Health Systems Studies, with the assistance of Ford Foundation. In the year 1993, the department added a feather in its cap by starting the Master in Hospital and Health Administration Programmes.

The School of Health Systems Studies prepares students for a leadership role in the fields of hospital and healthcare administration. The School's active social research programmes and national and international research collaborations in areas of health policy, health systems strengthening and public health contributes to the generation of new knowledge in this area and ensures that its educational programmes are updated to respond to current challenges and emergent trends. An important dimension of the Schools' educational and research activity is the contribution it makes to developing the understanding of health and health care as a social science.

The School is quite often called upon to respond to capacity building and knowledge management needs of the government health sector and this allows it to contribute to developing newer and innovative health care strategies, provide advocacy support for public health and build equity concerns into health policy and planning.

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addressed only to:

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