MAKE HEALTH LATAM
HEALTH DATA SCIENCE: CONFERENCE AND DATATHON
Cali - Colombia

UNIVERSIDAD ICESI
TU FUTURO A OTRO NIVEL

July 17-19, 2024, Cali - Colombia

CALL FOR POSTERS

General Chair:
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Excelencia en Salud al servicio de la comunidad

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This year, we are organizing MakeHealth LATAM Colombia 2024 in Cali.

TOPICS FOR HEALTH SYSTEMS SYMPOSIUM

We encourage the submission of original, unpublished research focused on (but not limited to) the following topics of interest:

1. **Personalized Medicine and Treatment Planning**: How AI is revolutionizing healthcare by analyzing individual patient data to tailor treatments and medications.
2. **Medical Imaging Interpretation**: Advancements in AI algorithms for interpreting medical images such as X-rays, MRIs, and CT scans to assist radiologists in diagnosis.
3. **Drug Discovery and Development**: Exploring how AI is accelerating the drug discovery process by analyzing large datasets and predicting molecular interactions.
4. **Virtual Health Assistants and Chatbots**: The role of AI-driven virtual health assistants and chatbots in providing personalized medical advice, managing chronic conditions, and improving patient engagement.
5. **Predictive Analytics for Early Disease Detection**: Leveraging AI and machine learning to analyze patient data and predict the risk of developing diseases, enabling early intervention and prevention strategies.
6. **Healthcare Fraud Detection**: How AI-powered algorithms are being used to detect healthcare fraud and abuse, saving billions of dollars in fraudulent claims.
7. **Natural Language Processing for Electronic Health Records (EHRs)**: The use of NLP and AI techniques to extract valuable insights from unstructured EHR data, improving clinical decision-making and patient outcomes.
8. **Remote Patient Monitoring and Telemedicine**: Examining the role of AI-enabled remote patient monitoring devices and telemedicine platforms in delivering healthcare services remotely, especially in underserved areas.
9. **Ethical and Regulatory Considerations**: Addressing ethical concerns and regulatory challenges surrounding the use of AI in healthcare, including privacy, bias, transparency, and accountability.
10. **AI in Genomic Medicine**: Exploring how AI algorithms are being applied to analyze genomic data for personalized medicine, disease risk assessment, and identification of potential therapeutic targets.
11. **Blockchain and AI for Healthcare Data Security**: Highlighting the synergies between blockchain technology and AI in ensuring the security, integrity, and interoperability of healthcare data, enabling safer data sharing and research collaboration.
12. **AI-driven Medical Robotics**: Presenting advancements in using AI to enhance the capabilities of medical robots for minimally invasive surgeries, targeted drug delivery, and precision interventions in challenging anatomical locations.
13. **AI for Health Equity**: Discussing strategies for leveraging AI to address healthcare disparities and improve access to quality care for underserved populations, including rural communities and marginalized groups.
14. **AI in Health Informatics and Electronic Health Records**: Exploring the use of AI techniques for analyzing and extracting insights from electronic health records, improving clinical decision-making, and enhancing patient outcomes.

IMPORTANT DATES

Submission:	**June 15 15th, 2024**
Notification:	**June 30, 2024**
Camera-ready	**June 18th, 2023**
Author registration:	**July 10th, 2024**

POSTER SUBMISSION

We invite authors to submit high-quality posters reporting original and novel research results on all above topics. Papers should be written in **English or Spanish, but at least the abstract MUST be in english**,.