



2 0 2 1 The First International Congress on

Advanced Health Technologies-Artificial Intelligence in Medicine

اولین کنگره بین المللی

فناوریهای پیشرفته در حوزه سلامت و کاربردهای هوش مصنوعی در پزشکی

ICAHT 2021 Program

Day 1 | Tuesday, December 28

Time	Speaker	Subject
Opening Ceremony		
8:30-9:00	Eng. Amir Sodagaran Manager of ICT Office, Kish Free Zone	Kish, smart city and smart health
9:00-9:30	Dr. Mehrzad Lotfi Professor at Shiraz University of Medical Sciences	Keynote lecture "AI and the future"
Big data Management in Health Technologies		
9:30-10:30	Dr. Pouria Salehi Broad institute of MIT and Harvard	How to use big data by genealogical models and applications in GWAS(Genome-wide association study)
10:30-11:15	Dr Pirooz Shamsinejad Assistant Professor at Shiraz University of Technology	Data Science in Medicine
11:15-12:00	Dr. Roxana Sharifian Associate Professor at Shiraz University of Medical Sciences	Healthcare Data Standardization
Bioinformatics Applications in Health Technology		
12:00-13:00	Dr. Kavousi Associate Professor at University of Tehran	Artificial Intelligence in Molecular Medicine : Current State and Future
Image and Signal Processing using AI		
15:00-16:00	Dr Emad Fatemizadeh Professor at Sharif University of Technology	Applications of ML in Medical Images Processing
16:00-17:00	Dr. Hossein Parsaei Associate Professor of Biomedical Engineering, Shiraz University of Medical Sciences	Characterizing EMG signals using AI tools for detecting neuromuscular disorders
Workshop # 1		
17:00-19:00	Dr. Tahereh Mahmoudi¹ & Mr. Reza Karimzadeh² ¹ Shiraz University of Medical Sciences ² Sharif University of Technology	Deep Learning using PyTorch (Session 1_mlp)



ICAHT 2021 Program

Day 2 | Wednesday, December 29

Time	Speaker	Subject
Workshop # 2		
9:00-10:00	Dr. Alireza Mirbagheri Assistant Professor at Tehran University of Medical Sciences	Robotic Surgery, Advantages and Limitations
Startup Session		
10:00-10:40	Dr. Asieh Khosravanian Shiraz University of Medical Sciences	Introduction of big data management project
10:40-11:20	Dr. Nahid Abolpour Shiraz University of Medical Sciences	Introduction of AIA (AI in Anaesthesia) project
11:20-12:00	Dr. Mohammad Tahmasbi CEO of Setaregan VC	Grant Funder Speech
Poster Session		
12:00-12:10	Ali Selk Ghafari	Human-Robot Dynamic Collaboration Analysis Employing Bond Graph Approach
12:10-12:20	Ali Selk Ghafari, Parisa Nezafat	Design and Fabrication of a Smart Insole for Evaluation of Human Foot Dynamics in Daily Activities
12:20-12:30	Fereshteh Khodadadi, Azimeh Noorizadeh, Sedighen Sina	Accuracy of Deep Learning Algorithms in Segmenting the Gross Tumor Volume of glioblastoma Compared with Tumor-Based Pharmacokinetic Method
12:30-12:40	Mohadese Nasiri Houshmand, Elham Maserat	Application of machine learning and deep learning in the field of cancer vaccine: A Scoping review
12:40-12:50	Javad Sheikh, Reza Karimzadeh, Hamed Azarnoush, Hossein Arabi	Design and implementation of neurosurgical electrocautery virtual reality simulator
12:50-13:00	Farzaneh Hamidi, Neda Gilani, Reza Arabi Belaghi	Exploration of MicroRNAs as Novel Prognostic Biomarkers in Ovarian Cancer Using Artificial intelligence
Applications of Artificial Intelligence in Neuroscience		
15:00-16:00	Dr. Peyvandi Assistant Professor at Sharif University of Technology International Campus	Dr. AI Can we really trust?
IOT applications in Health Technologies		
16:00-17:00	Dr. Reza Javidan Associate Professor at Shiraz University of Technology	IOT and its applications in the healthcare
Obligation and Ethics in the use of AI Technologies in Medicine Panel		
17:00-18:00	Dr. Ehsan Kadkhodaei	AI illegal actions & legal reactions



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Advanced Health Technologies-Artificial Intelligence in Medicine

	Assistant director of Medical Equipment Incubator, Shiraz University of Science	
Closing Ceremony		
18:00-18:30	Dr. Alireza Mehdizadeh Associate Professor at Shiraz University of Medical Sciences	Congress Closing Ceremony
18:30-19:00	Seyed Jalil Masoumi Associate Professor of Clinical Nutrition, Shiraz University of Medical Sciences	Introduction of next conference (M-Health)