

Program

Seminar Științific

Tehnologii inovative cu aplicații în domeniul medical

23 iunie 2025, UTCN, Aula Alexandru Domșa

10:00-10:30 Deschiderea lucrărilor

Prof.Dr.Ilea Aranka, Conf. Dr. ing. Titus Crișan, Prof.dr.ing. Nicolae Marius Roman

10.30 -11.30

Prof. Boo Cheong KHOO - National University of Singapore

High Intensity Focused Ultrasound (HIFU) for biomedical and dentistry application

11:30 -12:00

S.L. Peck Ha TAN - Senior lecturer at School of Engineering, Ngee Ann Polytechnic, Singapore

Basically, introducing the Biomedical Engineering Society (Singapore) and IFMBE's Women in Medical & Biological Engineering Committee.

12:00 -12:30 Pauză de cafea

12:30 -13:00

Conf. dr. Chifor Radu – Disciplina de Reabilitare Orală, Facultatea de Medicină Dentară, UMF "Iuliu Hațieganu" Cluj-Napoca

Head and neck imaging using a 3D ultrasound handheld prototype assisted by artificial intelligence.

13:00 – 13:15

Șef Lucr. dr. Băbțan Anida-Maria, Disciplina de Reabilitare Orală, Facultatea de Medicină Dentară, UMF "Iuliu Hațieganu" Cluj-Napoca

High Frequency Ultrasound features in cervico-facial area in patients with metabolic syndrome disorder

13:15-13:30

Asist. Univ. dr. Ban Alina, Disciplina de Radiologie Dentară, Facultatea de Medicină Dentară, UMF "Iuliu Hațieganu" Cluj-Napoca

Ultrasound assessment of mandibular muscles dimensional changes following orthognathic surgery

13:30-13:45

Șef Lucr. dr. ing. Alexandru Ianoși, UTCN

Feeding Robot System for Disabled People

13:45-14:00

Șef Lucr. dr. ing. Angela Lungu, UTCN

A Medical Engineering Perspective on Pulmonary Hypertension

14:00 Închiderea lucrărilor