



Organizer: MEDICAL UNIVERSITY "Prof. Dr Paraskev Stoyanov" VARNA

BIOMEDICAL ENGINEERING WORKSHOP PROGRAM

27 June 2024 (Thursday)
FDM, 6th floor, 613 hall

13:00 – 15:30 Demonstrations and training on "Application of modern CAD systems for manufacturing customized implants and virtual models for surgical interventions in general and dental medicine".

Lecturers and demonstrators:

- Dr Lech Dobrzanski, Eng, Poland;
- Dr Preslav Penchev, DDM, MU-Varna, Bulgaria;
- Dr Petar Valchanov, MD, MU-Varna, Bulgaria;
- Dr Nikolay Dukov, Eng, MU-Varna, Bulgaria.

15:30 – 16:00 Coffee break

16:00 – 17:00 Round table – discussion of learning outcomes, exchange of experience and discussion on organization of current and future joint research and projects.

28 June 2024 (Friday)
Faculty of Pharmacy, 8th floor, 816 hall

11:00 – 13:00 Registration

13:00 – 13:15 WORKSHOP OPENING

13:15 – 14:00 Prof. Leszek A. Dobrzański & Dr. Lech B. Dobrzański, Medical and Dental Engineering Centre for Research, Design and Production ASKLEPIOS in Gliwice, Poland
„The modern dental engineering significance in integrated industry idea development and consumer expectations increasing”.

14:00 – 14:45 Prof. Masaki Hashida, RIST Tokai university / ICR Kyoto University, Japan
“Recent progress of laser induced nanostructuring for solar cell production and biomimetics”.

14:45 – 15:30 Dr. Lech B. Dobrzański, Medical and Dental Engineering Centre for Research, Design and Production ASKLEPIOS in Gliwice, Poland
"Computer design and additive manufacturing in implant and prosthetic dental clinical treatment".

15:30 – 16:00 Coffee break

16:00 – 16:45 Prof. Anna Danuta Dobrzanska-Danikiewicz, University of Zielona Gora, Poland
“Frontier advanced materials including 3D printed Ti-based alloys”.

16:45 – 17:15 Prof. Sergey Kulinich, RIST Tokai university, Japan
“TiNi-based materials manufactured via powder metallurgy approaches for medical implants”.

17:15 – 17:45 Prof. Tsanka Dikova, Medical University of Varna, Bulgaria
“Personalized implants for bone regenerative therapy – initial results”.

18:00 – 20:00 Cocktail
Faculty of Pharmacy, 9th floor, Winter garden



The workshop is organized in the framework of project № BG-RRP-2.004-0009-C02 financed by the European Union-NextGenerationEU, through the National Recovery and Resilience Plan of the Republic of Bulgaria.