

Integrated research and teaching system for the implementation of additive technologies BPI/PST/2021/1/0092

Workshop No. 1.1.:

Analysis of Market analysis (target groups) in the field of materials used and implant manufacturing technologies, preliminary materials research

	Monday 17.10.2022	Tuesday 18.10.2022	Wednesday 19.10.2022	Thursday 20.10.2022	Friday 21.10.2022
9:00		Control of mechanical properties of cobalt alloys and titanium alloys used for biomedical implants - PhD. P. Marchlewski	Endoprothesoplastisity of knee joint. Introduction – Prof. K. Skalski, PhD. Eng. Anna Makuch	Selection of material for a knee joint implant - workshop exercise	Presentation and visiting laboratories of the Metal and Alloy Processing Center
10:00		Medical devices and material market – A. Świrńczak - Market analysis methods, domestic and foreign markets, sales, exports, growth factors, commercialization	Presentation and visiting laboratories of the Center for Corrosion and Protective Coatings	Presentation and visiting laboratories of the Center for Electroplating Technologies	
11:00		Coffee break	Coffee break	Coffee break	Coffee break
11:15		Work in groups	Work in groups	Work in groups	Work in groups
12:00		Preparation of metal, polymer and ceramic samples - W. Korzeniewski / D. Grygiel	Structural analysis and chemical composition testing - K. Szmigielska / Paweł Marchlewski	Mechanical research with the use of digital image correlation - G. Mońka / J. Łopatka	Discussion and summary of the workshop
13:00	Registration	Lunch & Meeting with industrial representants	Lunch & Meeting with medical representants	Lunch & Meeting with focus group	Lunch & Closing Ceremony
14:00	Welcome Ceremony	Presentation and visiting laboratories of the Center for Mechanical and Biomedical Engineering	Selection of material for a knee joint implant - workshop exercise	Selection of material for a knee joint implant - workshop exercise	
15:00	Reception	Coffee break	Coffee break	Coffee break	
15:15		Selection of material for a knee joint implant - workshop exercise	Selection of technology for the implementation of a knee joint implant - workshop exercise	Selection of technology for the implementation of a knee joint implant - workshop exercise	
16:00		End of the Workshops' day	End of the Workshops' day	End of the Workshops' day	

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