

	Wednesday , October 16, 2019	
9:15	<p>PLENARY New micro-and nanostructured biomaterial surfaces based on colloidal crystals Peter Kingshott Department of Chemistry and Biotechnology, Polymer Nanointerface Engineering Group Swinburne, University of Technology, Melbourne, VIC, Australia</p>	
10:00	<p>PLENARY The complex interactions between biomaterial, microbe and host Andrej Trampuž, Charité Berlin</p>	
10:45	<p>INVITED Study of surface phenomena and osteointegration of cementless Ti6Al7Nb hip endoprostheses Drago Dolinar Department of Orthopedic Surgery, University Medical Center Ljubljana, Zaloška 9, 1000 Ljubljana, Slovenia</p>	
11:00	<p>INVITED Complex tissue defect reconstruction after rhinectomy using 3d planning <u>Uroš Ahčan</u>¹, Vojko Didanovic², Aleš Porčnik¹ ¹Department of Plastic Surgery and Burns, Ljubljana University Medical Centre, Ljubljana, Slovenia, ²Department of Maxillofacial and Oral Surgery, Ljubljana University Medical Centre, Ljubljana, Slovenia</p>	
11:15	<p>Coffe break</p>	
11:45	<p>INVITED Different approaches to achieving biodegradability with an Fe-Mn alloy <u>Matjaž Godec</u>¹, Irena Paulin¹, Črtomir Donik¹, Matej Hočevar¹, Jaka Burja¹, Peter Gregorčič² Aleksandra Kocijan¹¹Institute of Metals and Technology, ²Faculty of Mechanical Engineering, UNI-Ljubljana,</p>	
12:00	<p>INVITED Comparison of bearing surfaces in cementless primary hip arthroplasty - ceramic on metal versus metal on metal <u>Slavko Manojlović</u> University of Banjaluka, Faculty of medicine, Bosnia and Herzegovina</p>	
12:15	<p>INVITED Spontaneous curvature of healthy human spine as a parameter of bipodal stance contour <u>Veronika Kralj Igljč</u> Drab M, ^{1,2}Rehakova V, ³Leban J, ³Vengust R, ²Daniel M, ⁴Bračun Š ¹Laboratory of Clinical Biophysics, Faculty of Health Sciences, University of Ljubljana, Ljubljana, Slovenia, ²Laboratory of Biomechanics, Czech Technical University in Prague, Prague, Czech Republic, ³Department of Orthopaedic Surgery, University Clinical Centre Ljubljana, Ljubljana, Slovenia, ⁴Physiotherapeutica, Medvode, Slovenia</p>	
12:30	<p>INVITED Titanium nanostructures for modification of vessel stents Ita Junkar¹, Metka Benčina¹, Janez Kovač¹, Katjuša Mrak-Poljšak², Katja Lakota², Snežna Sodin-Šemrl², Veronika Kralj-Igljč^{3,4}, Miran Mozetič¹, <u>Aleš Igljč</u>^{4,5*} Jožef Stefan Institute, University Medical Centre ,Ljubljana, Biophysics, Faculty of Health Sciences, UNI-LJ , ⁴Laboratory of Clinical Biophysics, Faculty of Medicine, UNI-LJ, ⁵Laboratory</p>	

	of Physics, FE, UNI-Lj	
12:45	LUNCH	
14:30	INVITED IT applications in orthopaedic surgery <u>Rihard Trebše</u> ² , Rene Mihalič, Bogdan Ambrožič, Janez Mohar, Jurij Štalc, Benjamin Marjanovič. ¹ Valdoltra Orthopaedic Hospital, Jadranska c. 39, 6280 Ankaran, Slovenia	
14:45	INVITED Corrosion phenomenon of modular hip implants <u>Ingrid Milošev</u> ^{1,2*} Vesna Levašič ² , Andrej Cör ^{2,3} , Rihard Trebše ²	
15:00	INVITED Biophysical properties of super elastic NiTi archwires Maja Ovsenik MF UNI-LJ	
15:15	INVITED Modern digital technology for post and core fabrication: an in-vitro measuring of cement thickness Domen Kanduti, <u>Igor Kopač</u> MF UNI-Ljubljana	
15:30	INVITED Qualitative analysis of 3D printed CoC for prosthodontic applications Amir Čatič, MF UNI-Zagreb	
15:45	Mechanical properties and ageing of different zirconia ceramics for monolithic fixed dental prostheses N Grguraš, M. Ozcan, Č. Oblak UNI-LJ MF	
16:00	INVITED Clinical outcomes of titanium alloy SL-PLUS® femoral stem (Zweymüller): 2,013 Total Hip Arthroplasty cases with up to 25 years of follow-up Blaž Mavčič UKC LJ	
16: 15	Coffee break	
16:40	INVITED Wear particles and lymphocytes in tissue around failed joint prostheses <u>Andrej Coer</u> , Valdoltra Orthopaedic Hospital, Jadranska 33, 6280 Ankaran, Slovenia	
16:45	Behaviour of human osteoblast-like cells on nanosecond laser-textured 316L surfaces Matej Hočvar, IMT	
	YOUNG RESEARCHER. PhD STUDENTS, YRS 17:10 -18:20	
17:10	YRS Detection of aluminum oxide in periprosthetic tissue in patients which required revision surgery after aseptic joint failure M. Jenko, D. Dolinar, D. Drobne, S. Novak, G.r Marolt, A. Cör, <u>M. Lončar</u>	
17:20	YRS Adhesion to zirconia ceramics: a problem solved? T. Malgaj, A. Kocjan, P. Jevnikar UNI-LJ MF	
17:30	YRS Characterization of new and retrieved titanium dental implants materials <u>S. Žarković Gjurin</u> , M. Jenko, Č. Donik, Č. Oblak, Department for Prosthetic Dentistry Medical Faculty, Dental Division, University of Ljubljana, Slovenia, Institute for metals and Technology, IMT, Lepi pot 11, 1000 Ljubljana Slovenia	

17:40	<p>YRS Evaluation of microbial flora in patients with gingival enlargement during treatment with fixed orthodontic appliance Rok Ovsenik¹, Miha Pirc², Jasmina Primožič³, Rok Schara⁴, Boris Gašpirc⁵ MF UNI-Ljubljana, UMC stomatology clinic</p>	
17:50	<p>YRS Soldering of periodontal tissues by a diode laser-activated indocyanine green chitosan membrane Mojca Trost, Boris Gašpirc</p>	
18:00	<p>YRS Three dimensional assesement of jaw's morphology <u>A.Golež</u>, A.Arhar, J.Primožič, M.Ovsenik, MF UNI-LJ</p>	
18:10	<p>YRS Three-dimensional assessment of back asymmetry <u>J.Primožič</u>, M.Ovsenik, A.Zhurov, S.Richmond, V.Antolič, J.Primožič, MF UNI-LJ</p>	

	Thursday , October 17, 2019	
9:00	INVITED Percutaneous implantation of self-expandable left atrial appendage occluders for prevention of thromboembolic complications of atrial fibrillation Andrej Pernat UNI-LJ MF	
9:15	INVITED Extracorporeal membrane oxygenation (ecmo) in patients with acute respiratory failure Špela Tadel Kocjančič, University Medical Centre Ljubljana, Centre for intensive internal medicine; Ljubljana	
9:30	INVITED Grit blasted surfaces of cementless hip endoprostheses D. Dolinar <u>M Jenko</u> , B.Črtalič, M.Andolšek Črtalič, UKC, IMT	
9:45	INVITED Using new designs of reverse shoulder arthroplasty for rotator cuff deficiency Oskar Zupanc, Timon Zupanc, David Martinčič, Uroš Meglič	
10:00	INVITED New method to evaluate long term results of Perthes disease Boštjan Kocjančič UKC-LJ	
10:15	INVITED Coated spine implants - a risk factor for surgical site infection? Mirza Biščević, <u>Barbara Smrke</u>	
10:30	INVITED Sonication for orthopaedic implant associated infection diagnostics - complication or solution? Samo Jeverica UNI-LJ MF	
10:45	Coffee break	
11:15	INVITED Secondary breast reconstruction using 3D template enhanced innervated free diep flap Andrej Lapoša UKC LJ	
11:30	INVITED Case report of ceramic acetabular fracture in total hip arthroplasty with ceramic-on-ceramic articulation B.Pompe, Darja Freizpur, L. Zore, M.Jenko, D.Dolinar	
11:45	INVITED Nano-characterization of wear debris of ceramic-on-ceramic bearing in total hip replacement <u>Darja Feizpour</u> ¹ , Monika Jenko ¹ , Borut Pompe ² , Boštjan Kocjančič ² , Matjaž Godec ¹ , Drago Dolinar ²	
12:00	INVITED 3D printed acetabular endoprosthesis in major acetabular revisions <u>Andrej Moličnik</u> , Urška Kostevšek, Tomaž Brajljih, Igor Drstvenšek	
12:15	INVITED Thermodynamic effect on selective laser melted biomedical implants Snehashis Pal ¹ , Tomaz Brajljih ¹ , Andrej Moličnik ² , <u>Igor Drstvenšek</u> ¹ Faculty of Mechanical Engineering, University of Maribor, Maribor, Slovenia	
12:30	LUNCH	

	YOUNG RESEARCHERS 14:00 – 14:50	
14:00	YRS Effect of autoclave or plasma oxygen gaseous sterilization on surface properties of cementless Ti6Al7Nb hip endoprostheses Klemen Avsec	
14:10	YRS Titanium coated peek for spinal interbody fusion: the best of both worlds? <u>Aljaž Merčun</u> , Miha Vodičar	
14:20	YRS Titan vs polyetheretherketone (peek) cages in interbody fusion: review Klemen Bošnjak, Matevž Topolovec, Rok Vengust	
14:30	YRS Hemodialysis catheters: different locking solutions and biofilm <u>Bojan Medved</u> , Rafael Ponikvar	
14:40	YRS New medium cut-off membrane for hemodialysis Marija Malgaj, Jadranka Buturović Ponikvar	
14:50	INVITED Ultrahigh molecular weight polyethylene (UHMWPE) with improved oxidation and wear resistance for use in arthroplasty Monika Jenko ¹ , Jože Grdadolnik ² , Drago Dolinar ³ , Matevž Gorenšek ⁴ <u>Majda Žigon</u> ⁵ ¹ IMT, KI, UMC-Lj, MD Medicina, FTPO	
15:05	INVITED Structural changes of HDPE upon gamma irradiation Jože Grdadolnik and <u>Urban Novak</u> National Institute of Chemistry ,Hajdrihova 19, SI-1000 Ljubljana	
15:20	INVITED Treatment of implant-associated infections Lea Papst UKC Ljubljana	
15:35	INVITED Bio polymeric composite membranes for guided tissue regeneration Selestina Gorgieva UM-FS	
15:50	Coffee break	
16:20	INVITED Magec growing rod system for early onset scoliosis Miha Vodičar	
16:35	INVITED The science and characteristics of hyaluronic acid soft-tissue fillers and their use in aesthetic medicine Samo Gorenšek, Skin Dermatology Ljubljana	
16:50	INVITED Mechanical resonance of femoral part of hip prosthesis as possible cause of aseptic loosening <u>Igor Belič</u> , Beno Klopčič, Andraž Logar, Monika Jenko, Matevž Gorenšek, Drago Dolinar	
17:05	High sensitive magnetoelectric composite sensors for biomagnetic field sensing applications Matic Jovičević Klug	

