

13.05.2015	
9.00-10.00	<i>Registration and coffee</i>
10.00-10.15	Opening of the Conference (President of the Conference - Prof. dr hab. inż. Izabella Krucińska, Rector Lodz University of Technology - Prof. dr hab. inż. Stanisław Bielecki)
10.15-11.00	Pertti Nousiainen "Bioactive materials in medical textiles - technologies and market perspectives"
11.00-11.30	Michał Zembala, Piotr Wilczek "Bioengineering of the heart valves and new materials in cardiac surgery"
11.30-12.00	Coffee break
First session GRAFTS - Chairperson : Dr Michał Zembala	
12.00-12.15	Guan Xiao-ning, Wang Lu, Lin Jin, Robert Guidoin <i>"In-vitro twisting and bending fatigue simulation of stent grafts with different woven structures"</i>
12.15-12.30	Guoping Guan, M. Fazley Elahi, Gaotian Shen, Lu Wang, Martin King <i>"Improved hemocompatibility of silk fibroin fabric for small diameter vascular prostheses"</i>
12.30-12.45	Jing Lin, Naval Udgiri, Robert Guidoin, Lu Wang, Jean Panneton, Yvan Douville <i>"In situ fenestration of stent-grafts: a preliminary study on structural behavior of fabrics"</i>
12.45-13.00	Olga Chrzanowska, Marcin H. Struszczyk, Izabella Krucińska <i>"Prototype of small-diameter vascular prostheses"</i>
13.00-13.15	LI Chao-Jing, Wang Fu-jun, Wang Lu <i>"Structure and mechanical properties of PLA/PCL composite vascular graft prototype"</i>
13.15-13.30	Brigita Kolčavová, Jana Špánková, Monika Vyšanská <i>"Innovation of thin-walled endovascular graft production"</i>
13.30-14.30	<i>Lunch</i>
Second session STRUCTURE&MODIFICATION - Chairperson: Prof. Martin King	
14.30-14.45	Hossein Barani, Majid Nasiri Broumand <i>"Application of ZnO nanoparticles on cotton fabric and analysis of their antibacterial activity"</i>
15.00-15.15	Rita Rebelo, Nívea Vila, Raul Fangueiro, Sandra Carvalho, and Mariana Henriques <i>"Antibacterial performance of fibrous stents coated with silver and silver oxide nanocoatings"</i>
15.15-15.30	Muhammad Maqsood, Yasir Nawab, Haritham Khan, Khubab Shaker, Muhammad Umair <i>"Effect of weave structure and fabric thread density on the barrier effectiveness of woven surgical gowns"</i>
15.30-15.45	Ahmed A. Nada, Rihab A. Abd EL Azeem <i>"Ricinoic acid encapsulation into chitosan liposomal microspheres for topical application"</i>
15.45-16.00	Dorota Wojciechowska, Lucyna Herczyńska, Barbara Lipp-Symonowicz, Frank Simon <i>"Surface modification of polylactic acid fibres with ferulic acid"</i>
16.00-16.15	Ahmed G. Hassabo, Amina L. Mohamed, Ahmed A. Nada and Nabil Y. Abou Zeid <i>"Controlled release of drugs from cellulosic wound bandage using silica microsphere as drug encapsulator module"</i>

16.15-16.30	Ahmad Mousavi Shoushtari, Golestan Salimbeygi, Reza M.A. Malek, Komeil Nasouri, Aminoddin Haji "Microwave protection properties poly (vinyl alcohol)/ multiwalled carbon nanotube composites in thin film and nanofiber layer structures"
16.30-17.00	Shim-pol Presentation (main sponsor)
18.00-22.00	Gala Dinner (The Poznanski Palace)
14.05.2015	
9.00 - 9.30	Martin King "The contribution of biotextile scaffolds for the advancement of tissue engineering"
9.30-10.00	Jorge-Armando Cortés-Ramírez, M I Varela-Jimenez and Vianney Jiménez "Constitutive model for shape memory polymers to be used in biomedical sutures"
10.00-10.30	Coffee break
First session TEXTRONIC&PLASMA - Chairperson: Lu Wang	
10.30 - 10.45	Hu Jiyong, Zhang Xiaofeng, Li Guohao, Yang Xudong, Ding Xin "Electrical properties of several PPY-coated conductive fabrics for human joint motion monitoring"
10.45 -11.00	Antonela Curteza, Viorica Cretu, Laura Macovei, Marian Poboroniuc "The manufacturing of textile products with incorporated electrodes"
11.00-11.15	Maryam Molakarimi Khouzani, Mohammad Khajeh Mehrizi, Aminoddin Haji "Effect of plasma treatment on antimicrobial and dyeing properties of wool fabric dyed with shrimp shell as a natural dye"
11.15-11.30	Aminoddin Haji, Ahmad Mousavi Shoushtari, Hossein Barani, Majid Nasiri Broumand, Mohammad Khajeh Mehrizi "Application of plasma technology for improved attachment of natural and nano-sized antibacterial agents to textile fibers"
11.30-12.15	Coffee break+poster presentation
Second session POLYMERS&TISSUE - Chairperson: Prof.Krucińska	
12.15-12.30	Yijun Fu, Lu Wang, Martin W. King "Compressibility study of textile packing material for tissue debridement"
12.30-12.45	M. Rom, J. Janicki, J. Fabia, Cz. Ślusarczyk, J. Kasperczyk, P. Dobrzyński "Structural studies of biodegradation of the (L-lactide-glycolide-trimethylene carbonate) shape memory terpolymer "
12.45-13.00	Chirag R.Gajjar, Melissa A. Pasquinelli, Martin W.King "Experimental and computational study of process-property relationships for bioabsorbable polymers "
13.00-13.15	Izabella Krucińska, Agnieszka Komisarzyk, Stanisława Kowalska, Olga Chrzanowska, Marcin H. Struszczyk, Marek Kowalczyk "Prototype of bone tissue implants based of different composition of PLA nonwoven "
13.15 - 13.30	R. Adamski, A. Kamińska, Z. Modrzejewska, Z. Pakowski, P.Wierucka "Identyfikation of diffusion coefficient of salt and mechanical properties of chitosan /silicacomposites for bone tissue engineering"

13.30 - 13.45	Ewa Stodolak-Zych, Elżbieta Menaszek, Małgorzata Pietruszka, Maciej Boguń "Biomimetic nanocomposite as a bone-filling materials"
13.45 - 14.00	V.P. Ribeiro, A. Morais, V.M. Correlo, A.P. Marques, A.S. Ribeiro, C.J. Silva, N.F. Durães, G. Bonifácio, R.A. Sousa, J.M. Oliveira, R.L. Reis, A.L. Oliveira "Complex 3D architectures based on knitting technologies for bone tissue engineering applications"
14.00 - 15.00	<i>Lunch</i>
15.00-19.00	<i>Tour of Lodz</i>
15.05.2015	
9.00-9.30	Joanna Matras, Witold Sujka "Innovative textile implants for medical applications" (TRICOMED S.A.)
9.30 - 10.00	Anita Tarbuk, Ana Marija Grancarić, Mirna Šitum "Skin cancer and UV protection"
First session FIBROUS STRUCTURE&COMPOSITES - Chairperson: Prof. Anita Tabruk	
10.00 - 10.15	Catarina Guise, Raul Fangueiro, Walter Schneider, João Miguel Nóbrega "Study of hollow fibrous materials for brain phantoms"
10.15-10.30	Ewelina Pabjańczyk-Wlazło, Paulina Król, Michał Chrzanowski, Michał Puchalski, Izabella Krucińska, Grzegorz Szparaga, Maciej Boguń "Electrospun hyaluronic acid-based fibrous matrices"
10.30 - 10.45	Z.Draczyński, G.Szparaga "Analysis of the fibrous polysaccharide composites for medical applications"
10.45 -11.00	Lidia Osiewała-Just, Iwona Kucińska-Król, Longina Madej-Kiełbik, Wojciech Błaszczuk, Marcin Struszczyk "The wound dressing set for special applications"
11.00-11.15	Paulina Król, Maciej Boguń, Grzegorz Szparaga, Teresa Mikołajczyk "Poly(L-DL-lactic acid) (PLDLA) and poly(lactic acid-co-glycolide) (PGLA) in wet spinning technology of fibers forming"
11.15 - 11.35	Devmatech (main sponsor)
11.35 - 12.00	<i>Coffee break</i>
Second session POLYMERS&SURFACE&PROTECT - Chairperson: Prof. Jorge-Armando Cortés-Ramírez	
12.00 - 12.15	Katarzyna Majchrzycka "Exploratory research into elaborating melt-blown nonwovens with the function of multiple release of a biocidal agent protecting against bioaerosol"
12.15 - 12.30	Antonela Curteza, Viorica Cretu, Laura Macovei, Marian Poboroniuc "The analysis of several types of knitted fabrics used for manufacturing heating products"
12.30 - 12.45	E.Smiechowicz, P.Kulpiński, B.Niekraszewicz, K.Dzitko "Nanocomposite bioactive cellulose fibers for medical applications"
12.45 - 13.00	Joanna Walczak, Agnieszka Komisarczyk, Izabella Krucińska, Stanisława Kowalska "Fibrous composite structures for bone implants applications"

13.00 - 14.00	<i>Lunch</i>
	Third session POLYMERS&SURFACE&PROTECT - Chairperson: Prof. A.Curteza
14.00 - 14.15	Muhammad Maqsood, Tanveer Hussain, Mumtaz Hasan Malik, Yasir Nawab <i>"Development of bi-stretch woven fabrics for compression garments"</i>
14.15 - 14.30	Amina L. Mohamed and Ahmed G. Hassabo <i>"Engineered carbohydrate based material/silane as a thermo and pH-sensitive nanogel containing zinc oxide nanoparticles for antibacterial textile"</i>
14.30 - 14.45	Kinga Brzoza-Malczyńska, Magdalena Kucharska, Maria Wiśniewska-Wrona, Marzena Dymel, Beata Pałys, Anna Ulacha-Bacciarelli <i>"Modification of cellulose products using chitosan and chitosan-alginate nanoparticles"</i>
14.45 - 15.00	M.Zimniewska, I.Krucińska, I.Frydrych, P.Mikołajczak, K.Schmidt-Przewoźna, M.Pawlaczyk, A.Komisarczyk, A.Cichocka, M.Urbaniak, L.Herczyńska, S.Kowalska, M.Muzyczek, B.Romanowska <i>"Bioactive natural fiber textiles to support skin diseases treatment"</i>
15.00 - 15.15	Mohammad Khajeh Mehrizi, Hasan Mashroteh, Nargess Nabizadeh Moghadam <i>"Improvement of antibacterial, deodorizing and moisture properties of polyester woven fabrics as medical textiles"</i>
15.15	<i>Closing of the Conference (Prof. Krucińska, Prof. King, Prof. Lu Wang)</i>
15.30 - 16.30	<i>Visiting of the Department of Material and Commodity Sciences and Textile Metrology</i>