

## Biosystems Engineering 2016, SCHEDULE

Day	Time				
<b>Thursday 12.05.2016</b>	9.00 – 10.00	<b>Registration and morning coffee</b> (Estonian University of Life Sciences, Institute of Technology, 56 Kreutzwaldi Str., Tartu)			
	10.00 – 10.10	<b>OPENING:</b> Rector Prof. <b>Mait Klaassen</b> (Institute of Technology, room A204) Opening remarks and welcome: Director of Institute of Technology <b>Margus Arak</b>			
		<b>PLENARY SESSION</b> (Institute of Technology, room A204):			
	10.10 – 10.40	Microalgae: Recovery of valuable biomolecules – <b>Prof. Michel Eppink</b> , Wageningen University, Netherland			
	10.40 – 11.10	Biofuel production caught between political restrictions and advances in research – <b>Prof. Alexander Jäger</b> , University of Applied Sciences Upper Austria, Wels, Austria			
	11.10 – 11.40	Research and Innovation Roadmap for Smart Industries – <b>Prof. Tauno Otto</b> , Tallinn University of Technology, Estonia			
	11.40 – 12.10	From Haze to Clarity – RAMP for Systematic Risk Management – <b>Associate Professor Linda Rose</b> , KTH Royal Institute of Technology, Stockholm, Sweden			
12.10 – 13.00	<b>LUNCH</b> at the main building of Estonian University of Life Sciences, 1 Kreutzwaldi Str., Tartu				
<b>Thursday 12.05.2016</b>	<b>13.00 – 15.00</b>	<b>AGRICULTURAL ENGINEERING</b> (Institute of Technology, room B136)	<b>VEHICLES and FUELS</b> (Institute of Technology, room B200)	<b>BIOENERGY</b> (Institute of Technology, room A204)	<b>ERGONOMICS &amp; ERGODESIGN</b> (Institute of Technology, room A220)
		Chair: Prof. <b>Jukka Ahokas</b>	Chair: Prof. <b>Marcis Jansons</b>	Chair: Prof. <b>Alexander Jäger</b>	Chair: Ass. Prof. <b>Eda Merisalu</b>
		Performance Evaluation of TDR Soil Moisture Sensor – <b>H. Kirnak</b> , Y. Akpinar: Turkey	Optimization of vehicles' trajectories by means of interpolation and approximation methods – D. Novák, J. Pavlovkin, <b>V. Novák</b> : Czech Republic	Model-based estimation of market potential for Bio-SNG in the German biomethane market until 2030 within a system dynamics approach – <b>T. Horschig</b> , E. Billig, D. Thraen: Germany	The ergonomic risk factors of agriculture sector in Latvia – <b>I. Vanadzins</b> , Z. Martinsone, I. Martinsone, A. Seile, J. Reste: Latvia
		Realtime soil moisture measurement during field work – <b>J. Ahokas</b> , J. Tuure, A. Rammo: Finland & Iraq	Comparison of methods for fuel consumption measuring of vehicle – <b>J. Pavlu</b> , V. Jurca, Z. Ales, M. Pexa: Czech Republic	Realistic biomass gasification model including tar and char – <b>V. Kirsanovs</b> , D. Blumberga, A. Žandeckis : Latvia	The effect of repeatable throwing motion on the upper limb's functional condition of sport training – <b>E. Tamm</b> , T. Meerits, E. Merisalu, M. Pääsuke: Estonia
		Freshwater sapropel (gyttja): Its description, properties and opportunities of use in contemporary agriculture – <b>K.</b>	Link between static radial tire stiffness and the size of its contact surface and contact pressure –	Biogas potential from animal waste of Marmara Region-Turkey – <b>A. Ayhan</b> : Turkey	Changes in Air Ions Concentration depending on Indoor Plants Activity – <b>N. Sinicina</b> , A. Martinovs: Latvia

		<b>Stankevica, Z.</b> Vincevica-Gaile, M. Klavins: Latvia	M. Kučera, <b>M. Helexa</b> , J. Čedík: Czech Republic		
		Translocation of soil particles during primary soil tillage – <b>J. Hula</b> , P. Novak: Czech Republic	Development and analysis of a driving cycle to identify the effectiveness of the vacuum brake booster – <b>D. Berjoza</b> , V. Pirs, I. Dukulis, I. Jurgena: Latvia	Microalgae for biomethane production – <b>V. Dubrovskis</b> and I. Plume: Latvia	Ergonomics risk analysis in construction operations – <b>H. Kalkis</b> , Z. Roja, I. Reinholds, A. Cekuls: Latvia
		The effect of soil tillage technologies on the surface of the infiltration speed of water into the soil – <b>S. Kovář</b> , P. Novak, P. Kovaříček, M. Kroulík: Czech Republic	Effect of gasoline contamination on the quality of arctic diesel fuel – <b>V. Hönig</b> , Z. Linhart, M. Orsák: Czech Republic	New constructs for ethanol production via cyanobacteria – <b>H. Kahr</b> , A. Jäger, F. Pfannerer, K. Krennhuber: Austria	Toxoplasma gondii, an overlooked parasite in the agricultural setting in Estonia – <b>M. Tagel</b> , B. Lassen, A. Viltrop, P. Takelainen: Estonia
		Analysis of organic agricultural waste usage for fertilizer production – <b>R. Mieldažys</b> , E. Jotautiene, A. Pocius, A. Jasinskas: Lithuania	The influence of biobutanol on performance parameters of mobile generator – B. Peterka, M. Pexa, <b>J. Čedík</b> , Z. Aleš: Czech Republic	Explosive decompression pretreatment: nitrogen vs. compressed air – <b>M. Raud</b> , V. Rooni, T. Kikas: Estonia	Predictors and prevalence of musculoskeletal disorders among sewing machine operators – <b>M. Männaste</b> , K. Hiir, E. Merisalu, A. Traumann: Estonia
		Measurement of mulcher power input in relation to yield – <b>F. Kumhála</b> , J. Chyba, M. Pexa, J. Čedík: Czech Republic	Vehicle in-use tyre characteristics evaluation during winter driving training – <b>J. Kreicbergs</b> , G. Zalcmanis, A. Grislis: Latvia	Influence of mechanical pre-treatment on fermentable sugar production from lignocellulosic biomass – <b>L. Mežule</b> , M. Strods, B. Dalecka: Latvia	Dust pollution in the sport facilities – <b>P. Kic</b> : Czech Republic
		Use of thermal images for optimizing burner height, operating pressure, and burner angle of a weed flamer – N. Tursun, <b>S. Arslan</b> , D. Güleç, F. Kurtulmuş: Turkey	Evaluation of Conventional and Alternative Jet Fuel Surrogates in a Variable Compression Ratio Reciprocating Engine – <b>M. Jansons</b> , J. Rudzitis, J. Kreicbergs, M. Gailis: Latvia	The effect of sulphur content on B20 fuel stability – <b>K. Sirviö</b> , S. Niemi, S. Heikkilä, E. Hiltunen: Finland	OHSAS 18001 contribution to real and formal safety elements in safety management system in manufacturing – <b>Õ. Paas</b> , K. Reinhold, P. Tint: Estonia
<b>Thursday 12.05.2016</b>	<b>13.00 – 15.00</b>	<b>LIVESTOCK TECHNOLOGY</b>  (Institute of Technology, room A211)  Chair: Prof. <b>Marek Gaworski</b>	<b>PRODUCTION ENGINEERING &amp; MODELLING</b>  (Institute of Technology, room A310)  Chair: Prof. <b>Tauno Otto</b>	<b>RENEWABLE ENERGY &amp; AUTOMATION TECHNOLOGY</b>  (Institute of Technology, room A107)  Chair: Prof. <b>Andres Annuk</b>	<b>FOOD SCIENCE AND TECHNOLOGY</b>  (Institute of Technology, room B119)  Chair: PhD <b>Helena Andreson</b> and DSc <b>Väino Poikalainen</b>
		Microclimatic conditions in the poultry houses – <b>P. Kic</b> : Czech Republic	Research on dynamic behaviour of structural adhesives – M. Müller, <b>R. Choteborsky</b> : Czech Republic	Optimization of a solar power station with LiFePO <sub>4</sub> accumulators – <b>V. Papez</b> , S. Papezova: Czech Republic	Image analysis of the shapes and dimensions of Teff seeds ( <i>Eragrostis tef</i> ) – <b>D. Herak</b> : Czech Republic
		Effect of cow traffic system and herd size on cow performance and automatic milking systems capacity	Electromagnetic shielding properties of ceramic spheres coated with paramagnetic metal – <b>T.</b>	Low degradation of a-Si solar panels of the building integrated PV power plant in Prague historical area – M. Libra, <b>T.</b>	Water and water clusters in biological systems – <b>P. Laurson</b> , U. Mäeorg: Estonia

		– <b>M. Gaworski</b> , A. Leola, O. Sada, P. Kic and J. Priekulis: Poland	<b>Koppel</b> , A. Shishkin, I. Hussainova: Estonia	<b>Oļšan</b> , V. Avramov, V. Poulek: Czech Republic	
		Method to monitor sand amount changes in free-stall lying area for dairy cows – <b>M. Gaworski</b> and <b>Á. Garreth Ferraz Rocha</b> : Poland	Natural vibrations of stepped arches with cracks – J. Lellep, <b>A. Liyvapuu</b> : Estonia	Feasibility study of a local power supply system for sparsely populated areas in Estonia – <b>T. Vaimann</b> , A. Rassõlkin, A. Kallaste and M. Märss: Estonia	Gas chromatography–mass spectrometry study of lipids in northern berries – L. Klavins, J. Kvisis, I. Steinberga, L. Klavina, <b>M. Klavins</b> : Latvia
		Aquaculture: problems and modern perspective on topical solution – M. Uspenskaya, M. Kremenevskaya, K. Volkova and <b>O. Sosnina</b> : Russia	Supply and processing of novel whole-crop raw materials for reinforced composites – <b>H. -J. Gusovius</b> , R. Rinberg, T. Brückner: Germany	Automated Measuring Station for Accumulator Testing – <b>S. Papezova</b> , V. Papez: Czech Republic	Developing a household vacuum cooking equipment, testing its performance on strawberry jam production and its comparison with atmospheric cooking – <b>D. Tomruk</b> , E. Devseren, M. Koç, Ö. Özdestan Ocak, H. Karataş, F. Kaymak-Ertekin: Turkey
		Research in farm management technologies using the expert method – <b>A. Laurs</b> , Z. Markovics, J. Priekulis and A. Aboltins: Latvia	Development of belt sorters smoothly adjustable belt drums – <b>K. Soots</b> , T. Leemet, K. Tops and J. Olt: Estonia	Correlation between temperatures of air, heat carrier liquid and seabed sediment in renewable low energy network – <b>A. Mäkiranta</b> , J.B. Martinkauppi, E. Hiltunen: Finland	Total phenols and antioxidant capacity of hull-less barley and hull-less oats – <b>Z. Kruma</b> , L. Tomsone, R. Galoburda, E. Straumite, A. Kronberga and M. Ässveen: Latvia
		Determination of spatial distribution of ammonia levels in broiler houses - <b>B. Cemek</b> , E. Kucuktopcu and Y. Demir: Turkey	Mechanical and physical properties of thermally modified wood flour reinforced polypropylene composites – <b>H. Kallakas</b> , M. Martin, T. Poltimäe, A. Krumme, J. Kers: Estonia	Operation reliability of induction motors at egg processing plant “Balticovo” – <b>A. Gedzurs</b> : Latvia	Effects of germination on total phenol compounds and radical scavenging activity in hull-less spring cereals and tritikale – Z. Kruma, L. Tomsone, <b>T. Kince</b> , R. Galoburda, S. Senhofa, M. Sabovics, E. Straumite and I. Sturite: Latvia
			Cellular tubular structures from perforated metallic tape and its application – <b>I. Boiko</b> , V. Mironovs, M. Lisicins, T. Koppel: Latvia	Electrical field based detection of fruits and vegetables for robotized horticulture – <b>V. Osadcuks</b> , A. Pecka: Latvia	Effect of heat treatment at constant 120 °C temperature on the rheological and technological properties of pork – A. Põldvere, A. Tānavots, <b>R. Saar</b> , S. Sild, L. Lepasalu: Estonia
			Study on impact strength of sisal fibres reinforced epoxy composites using experimental methods – <b>P. Valášek</b> : Czech Republic	Effect of conductive ink on transfer characteristics of pressure into electric signal for tactile sensors – <b>J. Volf</b> , V. Novák, V. Ryzhenko: Czech Republic	The application of green tea extract as a source of antioxidants in the processing of dairy products – T. Evstigneeva, N. Skvortsova and <b>R. Yakovleva</b> : Russia
	<b>15.00 – 16.30</b>	<b>COFFEE BREAK</b> , room B135			
		<b>POSTER SESSIONS</b> (Institute of Technology, room B135)			
		<b>AGRICLUTURAL ENGINEERING, PRECISION AGRICLUTURE</b>			
		Soil Physical Characteristics and Soil-Tillage Implement Draft Assessment – P. Šarec, N. Žemlickova: Czech Republic			
		The effect of pre-planting thermal treatment of seed tubers on the yield and quality of potato - Viachelsav Eremeev, Berit Tein, Peeter Lääniste, Erkki Mäeorg, Jaan Kuht: Estonia			

	Distribution of mating types, metalaxyl sensitivity and virulence races of Phytophthora infestans in Estonia - E. Runno-Paurson*, A. Aav, R. Kiiker and M. Hansen: Estonia
	Soil weed seed bank at the end of conversion period to organic production - Jaan Kuht, Viacheslav Eremeev, Berit Tein, Liina Talgre, Merili Toom, Erkki Mäeorg, Anne Luik: Estonia
	Relationship between precompression stress and rut depth on different soil types in Estonia – K. Vennik, P. Kukk, K. Krebstein, E. Reintam: Estonia
	The effect of fertilizer and growing season on tuber dry matter and nitrate content in potato - Reijo Simson, Luule Tartlan, Edvin Nugis and Viacheslav Eremeev: Estonia
	Influence of shape of knives on energy loss during mulching – J. Čedík, M. Pexa, J. Chyba, Z. Vondrašek, R. Pražan: Czech Republic
	The influence of basic soil tillage methods and weather conditions on the yield of spring barley in forest-steppe conditions – N. Borys, A. Küüt: Ukraine/Estonia
	Estimate of energy intensity of mulching – J. Čedík, M. Pexa, R. Pražan: Czech Republic
	Soil microbiological activity in the context of tillage system and crop rotation – L. Dubova, A. Ruža, I. Alsina: Latvia
	Dependence of digestate briquettes mechanical and sorption properties on represented particle size – I. Černá, J. Pecen, T. Ivanova: Czech Republic
	Mechanical harvesting in traditional olive orchards: Olipicker case study – B. Bernardi, S. Benalia, A. Fazari, G. Zimbalatti, T. Stillitano, A. I. De Luca: Italy
	Determination of areas with drainage problems on coastal region in Carşamba Plain, Turkey using different interpolation methods – H. Arslan: Turkey
	Domestic wastewater treatment in rural parts of turkey (natural treatment systems – constructed wetlands) – Z. Gokalp, B. Cakmak, S. Karaman: Turkey
	Characteristics of natural tuff storages in Nevsehir (Cappadokia) region of Turkey – S. Karaman, Z. Gokalp: Turkey
	Accumulation of Cd, Cr, Cu, Ni and Zn in rapeseed (Brassica napus L.) under the treatment with nitrogen fertilizers – A. Kasiulienė, V. Paulauskas, J. Kumpiene: Lithuania
	Precision Apiculture approach for improving bee colony management – A. Zacepins, A. Kviēsis: Latvia
	Application of Artificial Neural Networks for Honey Bee Swarming identification – A. Kviēsis, A. Zacepins: Latvia
	Microbial communities in the rhizosphere of chickpea (Cicer arietinum L.): methagenome analysis – O. Shcherbakova: Russia
	Bacterial endophytes of grapevine (Vitis vinifera L.): isolation, characterization and detection in treated plants – S. Mulina: Russia
	Importance of Monitoring and Evaluation for the Success of Land Consolidation Projects - Kemal Sulhi Gündođdu, S. Tulin Akkaya Aslan, Muge Kirmikil: Turkey
	Optimization of the filtrate generated from acidogenic fermentation of poultry manure for polyhydroxyalkanoate production through struvite precipitation – M. Altun, F. Tufaner, A. S. Erturk: Turkey
<b>15.00 – 16.30</b>	<b>VEHICLES AND FUELS</b>
	Measuring the mobility parameters of tree-length forwarding systems using GPS technology in the Southern Italy forestry – <b>G. Macri</b> , G. Zimbalatti, A.R. Proto, D. Russo: Italy
	Carbon Dioxide Emissions of Wind Machine Operating – O. Taskin, A. Vardar: Turkey
	Influence of biofuel moisture content on combustion and emission characteristics of stove – <b>D. Černý</b> , J. Malaťák, J. Bradna: Czech Republic
	Speed limits and their impact on emissions production and fuel consumption – M. Kotek, <b>P. Jindra</b> , J. Mařík: Czech Republic
<b>15.00 – 16.30</b>	<b>BIOENERGY</b>
	Biogas production from sugar rich wastes – <b>V. Dubrovskis</b> and I. Plume: Latvia
	Significance of material recycling of waste paper for its subsequent utilization – <b>I. Balada</b> , V. Altmann and N. Žemličková: Czech Republic
	Identification of kinetics parameters of wheat straw and sugar beet pulp hydrolysis with sulphurous acid – V. Emelyanov, <b>M. Kharina</b> , I. Loginova, L. Kleshchevnikov, M. Shulaev: Russia
	Analysis and evaluation of the waste management in municipality – M. Mimra, R. Renfus, <b>M. Kavka</b> : Czech Republic

	Applying Simultaneously Encapsulation/ Dehydration and Cryopreservation Method For Long-Term Storage Of Cyanobacteria – <b>M. Conk Dalay</b> , C. Demirkaya, E. Imamoglu, Z. Demirel: Turkey
	Effect of cryopreserved Haematococcus cells on astaxanthin production in airlift photobioreactor – E. Imamoglu, Z. Demirel, <b>M. Conk Dalay</b> : Turkey
	Diatom Cultivation and Lipid productivity for Non-cryopreserved and Cryopreserved Cells – <b>Z. Demirel</b> , M. Conk Dalay, E. Imamoglu, C. Demirkaya: Turkey
	The Effects of Cryopreservation on The Fatty Acid Production of Microalgae – <b>Z. Demirel</b> , C. Demirkaya, N. Demirci, E. Imamoglu, M. Conk Dalay: Turkey
	Combustion of briquettes from oversize components from composting process – J. Malaťák, <b>J. Bradna</b> , J. Velebil: Czech Republic
	The ash from wheat straw combustion as a soil amendment – J. Malaťák, <b>J. Bradna</b> , J. Velebil: Czech Republic
	Energetic value of hydrothermally carbonized brewer’s spent grain – <b>J. Velebil</b> , J. Malatak, J. Bradna: Czech Republic
	Washed-out marine brown macroalgae Fucus vesiculosus as substrate for anaerobic digestion: biological methane potential batch tests – <b>L. Pastare</b> , F. Romagnoli: Latvia
	Mechanical durability of digestate briquettes in different storage conditions – <b>A. Brunerová</b> , J. Pecen, M. Brožek, T. Ivanova: Czech Republic
	Energy wood willows and ground vegetation – <b>I. Pučka</b> , D. Lazdina, I. Bebre: Latvia
	Main limitations of hydrolysed hay sugar content analysis by HPLC RI technique - K. Tihomirova, <b>B. Dalecka</b> , L. Mezule: Latvia
	Small- and medium-scale biogas plants in Sri Lanka: Case study on flue gas analysis of biogas cookers – <b>H. Roubík</b> , J. Mazancová: Czech Republic
	Methodology for determining the mixing ratio of selected solid recovered fuels for energy recovery - V. Malijonytė, <b>E. Dace</b> , F. Romagnoli, M. Gedrovics: Latvia
	Potential use of macroalgae Fucus vesiculosus for bioenergy production in Latvia: A Review - <b>K. Balina</b> , F. Romagnoli, D. Blumberga: Latvia
	The evaluation of biomass yield and quality of Phalaris arundinacea and Festulolium using bioenergy waste products as fertilisers – <b>S. Rancāne</b> , A. Kārklīš, D. Lazdina, P. Bērziņš, A. Bārdule, A. Butlers, A. Lazdiņš: Latvia
<b>15.00 – 16.30</b>	<b>PRODUCTION ENGINEERING, ENGINEERING DESIGN AND MODELLING, ENGINEERING EDUCATION</b>
	Production of Crumb Rubber — Iron Powder Mixture for perspective synthesis of Carbon-Iron powder sorbent – V. Mironovs , O. Ozernovs, I. Jevmenovs, <b>V. Lapkovskis</b> , D. Golyandin: Latvia
	Effect of porosity on the performance of cutting ceramics - V. Maksarov, A. Khalimonenko, J. Olt: Russia/Estonia
	Improving fretting resistance of heavily loaded friction machine parts using a modified polymer composition - V. Krasnyy, V. Maksarov, J. Olt: Russia/Estonia
	Water vapour transmission properties of linseed oil paint – <b>A. Ruus</b> , R. Semjakin, K. Kirtsi, E. Tungel: Estonia
<b>15.00 – 16.30</b>	<b>RENEWABLE ENERGY &amp; POWER ENGINEERING &amp; AUTOMATION TECHNOLOGY</b>
	Intrusion and hold-up alarm systems and their reliability of glass break detection – J. Hart, V. Hartova: Czech Republic
	Numerical Modelling of Transient Phenomena in a Synchronous Machine – Z. Vondrášek: Czech Republic
	New security elements in biometric systems and systems I&HAS – J. Hart, V. Hartova: Czech Republic
	Development of a system for locating of persons by triangulation – J. Hart, V. Hartova: Czech Republic
	Support scheme for CHP and its sensitivity on heat wasting – R. Nedela, R. Nedela: Czech Republic
	Analysis of rapid temperature changes – M. Hromasova, M. Linda: Czech Republic
	Basic Theory and Methods for Managing Energy Efficiency in Consumer Systems - V. Karpov, T. Kabanen, Z. Sh. Yuldashev, A. Nemtsev, I. Nemtsev: Estonia/Russia
	Methodology for determining the mixing ratio of selected solid recovered fuels - V. Malijonytė, E. Dace, F. Romagnoli, M. Gedrovics: Latvia/Lithuania
	Practical usage of additional heat from biogas plant – M. Bloch-Michalik, M. Gaworski: Poland

<b>15.00 – 16.30</b>	<b>LIVESTOCK TECHNOLOGY</b>
	The human factor impact on the process of milking – M. Prikryl, P. Vaculik, L. Chladek, L. Libich and P. Smetanova: Czech Republic
	Determination of the physical properties of different types of milk claws and air leaks in the claw according to rotameter-milk bucket methods – H. Unal and H. Erdogan: Turkey
	An approach for determination of quality in hay bale and halage – A. Ince, Y. Vurarak and S.M. Say: Turkey
	Choosing and evaluation of milking parlours for dairy farms in Estonia – O. Sada, A. Leola, P. Kic: Czech Republic & Estonia
	Use of automatic system for pig feed consumption control – L. Paura and D. Jonkus: Latvia
	The efficient management of straw-bedding solid manure – T. Leola: Estonia
	Determination of Current Location of Animal Barns and Establishment of a Data Base by GIS: Study Case for Akçalar Village in Bursa – S. Uguz, B. Keskin, E. Şimşek: Turkey
	The impact of differently solved machine lines and work procedures of feeding and bedding on dust concentration in stables for dairy cows – J. Vegricht and J. Šimon: Czech Republic
<b>15.00 – 16.30</b>	<b>ERGONOMICS</b>
	Ventilation and microclimatic conditions in the laboratory of adhesive bonding – A. Krofová, P. Kic: Czech Republic
	Mastering Control of Unknown Systems in Passenger Cars According to Driver Skills /Ability to Handle Unfamiliar Systems in Passenger Cars According to Driver Skills – M. Hruška, P. Jindra: Czech Republic
	Comparison of reliability of monocriterial and multi-criteria of biometric identification systems – V. Hartová, J. Hart: Czech Republic
	Integrating Ergonomics Principles and Workplace Health Protection and Promotion in improving safety and health at work - evidence from Estonia – K. Kuimet, M. Järvis, A. Virovere: Estonia
	Electromagnetic fields' exposure to head, torso and limbs in office workplaces – <b>I. Vilcane</b> , T. Koppel, H. Kalkis, V. Urbane, I. Ievins: Latvia
	Improvement of managers' knowledge in prevention of musculoskeletal disorders development in industrial and office-work – V. Pille, P. Tint: Estonia
	Safety climate in Estonian elderly nursing homes: A nationwide survey using the NOSACQ-50 Questionnaire - <b>Jaana Sepp</b> , Marina Järvis, Karin Reinhold: Estonia
	Improvement of health and safety management at enterprises – G. Hrenov, P. Tint, K. Reinhold: Estonia
	Comparative study of the noise levels: impact of renovation – S. Kalle, J. Paju: Estonia
<b>15.00 – 16.30</b>	<b>FOOD SCIENCE AND TECHNOLOGY</b>
	The temperature changes of barley malt during its disintegration on a two roller mill – P. Vaculik, L. Chladek, M. Prikryl, A. Smejtkova and P. Brany: Czech Republic
	Influence of the Packaging Material on the Quality Parameters of Tobacco during Ageing – L. Skarkova, A. Smejtkova, D. Satrudinov and P. Vaculik: Czech Republic
	Differences in cadmium accumulation and induced changes in root anatomical structures in plants used for food – V. Alle, U. Kondratovics, A. Osvalde and M. Vikmane: Latvia
	The influence of heat transfer coefficient on moisture evaporation rate during the cooling of fresh baked white pan bread – A. Pastukhov: Russia
	The content of minerals in milk of small ruminants – T. Michlová, A. Hejtmánková, H. Dragounová, and Š. Horníčková: Czech Republic
	The hygienic and nutritional quality of milk from Saanen goats bred in the Moravian-Silesian region – T. Michlová, H. Dragounová, R. Seydlová and A. Hejtmánková: Czech Republic

		Extraction of biologically active compounds from fruit, berry and grain grist using ViscoStar 150L enzyme complex – N. V. Barakova, N. N. Skvortsova, N. Y. Sharova: Russia			
		Egg yolk oil as a source of bioactive compounds for infant nutrition – A. Kovalcuks, M. Duma: Latvia			
		The influence of microelements selenium and copper on the rye malt amylase activity and flour technological properties – K. Antoņenko, M. Duma, V. Kreicbergs, D. Kunkulberga: Latvia			
		Changes in the total phenol content in the industrial potato peel wastes during the storage – I. Shepelev, R. Galoburda, T. Kince: Latvia			
		Modelling of impact parameters for nondestructive evaluation of firmness of greenhouse tomatoes – K. K. Vursavus, Z. Kesilmis: Turkey			
		Effect of lovage phenolics to formation of acrylamide in French fries – S. Kampuse, L. Tomsone, Z. Krūma, M. Šabovics and I. Skrabule: Latvia			
		Extruded pea product physical and chemical properties – L. Strauta, S. Muižniece-Brasava, I. Gedrovica: Latvia			
		Nitrogen effect on winter wheat wholemeal protein content and rheological properties – A. Liniņa, A. Ruža, D. Kunkulberga: Latvia			
		Grain processing by enzymes to increase bioavailability of minerals in cereals – E. A. Kuznetsova, V. Y. Zomitev and E. A. Kuznetsova: Russia			
		Winter wheat grain baking quality depending on environmental conditions and fertilizer – I. Skudra and A. Ruza: Latvia			
		Effect of sowing date on oil, protein and glucosinolate concentration of winter oilseed rape ( <i>Brassica napus</i> L.) – P. Lääniste, V. Eremeev, E. Mäeorg, J. Jõudu: Estonia			
		Partial Purification of $\beta$ -glucosidase enzyme from soybean ( <i>Glycine max</i> ) and determination of inhibitory effects two quercetin derivatives on enzyme activity – A. C. Olcay, G. Bilir, Ö. Taş, M. Deniz and D. Ekinici: Turkey			
	<b>15.00 – 16.30</b>	<b>AGRICULTURAL ECONOMICS</b>			
		Investigations about the impact of norms of the fertilisers and cultivars upon the crop capacity biomass of industrial hemp – A. Adamovics, <b>S. Ivanovs</b> and V. Stramkale: Latvia			
		Pilot study of variability on demand and knowledge concerning organic food on an example of two Polish regions – N. Kamińska, M. Gaworski, P. Kaźmierska and A.M. Klepacka: Poland			
		Methodological challenges in research of Vidzeme rural areas – G. Krumins, I. Krumina, S. Rozentale: Latvia			
<b>Thursday 12.05.2016</b>		<b>AGRICULTURAL ENGINEERING</b> (Institute of Technology, room B136)	<b>VEHICLES and FUELS</b> (Institute of Technology, room B200)	<b>BIOENERGY</b> (Institute of Technology, room A204)	<b>ERGONOMICS</b> (Institute of Technology, room A220)
	<b>16.30 – 18.30</b>	Chair: Assoc. Prof. <b>Selcuk Arslan</b>	Chair: Ass. Prof. <b>Arne Küüt</b>	Chair: Prof. <b>Michel Eppink</b>	Chair: Prof. <b>Mati Pääsuke</b>
		Seed passage speed through short delivery tubes at precise seeding – <b>M. Kroulik</b> , J. Hula, A. Rybka, I. Honzik: Czech Republic	The water content in the engine oil by using E85 – K. Veselá, M. Pexa, <b>J. Pavlů</b> : Czech Republic	Efficient use of arable land for energy: Comparison of cropping natural fibre plants and energy plants – <b>T. Hoffmann</b> , R. Pecenka, H.-J. Gusovius, J. Budde: Germany	The impact of information technologies upon the social interaction culture among employees in Latvian enterprises – <b>A. Cekuls</b> , H. Kalkis, Z. Roja: Latvia
		Current situation and future of trends in vineyard floor management – <b>T. Yezekyan</b> : Armenia	Detection and characterization of wear particles of universal tractor oil using a particles size analyser – <b>M. Kučera</b> , Z. Aleš, M. Pexa: Czech Republic	Investigations of fibre plant preparation and utilization of solid biofuels – <b>D. Streikus</b> , A. Jasinskas, M. Arak, E. Jotautiene, R. Mioldažyas, S. Čekanauskas, Z. Jankauskienė: Lithuania & Estonia	Transport route segments and stress effect on drivers – <b>R. Zewdie</b> , P. Kic: Czech Republic

		New design of roller separation line and its effect on the separation of hop matter – <b>M. Krupička</b> , A. Rybka: Czech Republic	Effect of different biofuels to particulate matters production – <b>P. Jindra</b> , M. Kotek, J. Mařík, M. Vojtíšek: Czech Republic	Mechanical durability and water absorption of pellets made from different tree species - a case study – K. Makovskis, <b>D. Lazdina</b> , A. Arsanica, V. Solodovnik, U. Daugavietis: Latvia	Pulse-video method for determining the workload and energy expenditure for assessing of work environment – <b>A. Nautras</b> , B. Reppo, J. Kuzmin: Estonia
		Fruit drying process investigation in infrared film dryer – <b>A. Aboltins</b> , J. Palabinskis: Latvia	Smoke and NO <sub>x</sub> emissions of combustion engine using biofuels – M. Pexa, <b>J. Čedík</b> , R. Pražan: Czech Republic	Impact of browsing damages on growth and quality of Silver birch plantations in Latvia – L. Sisenis, <b>B. Dzerina</b> , K. Udriš, M. Purins, J. Katrevics: Latvia	Software Development for Qualimetric Ergonomics of a Workplace – <b>D. Maksimov</b> , H. Kalkis: Latvia
		Identification of worm-damaged chestnuts using impact acoustics and support vector machine – <b>F. Kurtulmuş</b> , S. Öztüfekçi, İ. Kavdir: Turkey	Study of prior art of free-piston engine – <b>V. Raide</b> : Estonia	Frost-tolerance and selection of the commercial poplar clones for agroforestry systems in Latvia – <b>D. Lazdina</b> , S. Senhofa, M. Zeps, K. Makovskis, I. Bebre, A. Jansons: Latvia	Telework as a possibility to prevent psychosocial stress from ICT use – <b>R. Arvola</b> , P. Tint, Ü. Kristjuhan and V. Siirak: Estonia
		Productivity of Vimek 404 T5 harvester and Vimek 610 forwarder in early thinning – <b>A. Lazdinš</b> , A. Zimelis, U. Prindulis, S. Kaleja: Latvia	The impact of bioethanol fuel blends on piston engine exhaust gases – <b>A. Vlasov</b> : Estonia	The effect of ash fertilization on tree biomass growth and soil nutrient availability – <b>A. Lupikis</b> , Z. Libiete, A. Bardule, A. Lazdins: Latvia	Group 0 to 0+ child restraint system usage in Estonia – V. Strelovskaja, <b>E. Pabo</b> , I. Ploomipuu: Estonia
		Productivity and cost of biofuel in ditch cleaning operations using tracked excavator based harvester – A. Zimelis, G. Spalva, G. Saule, <b>A. Lazdinš</b> : Latvia		Intra-annual dynamics of height growth of Norway spruce in Latvia – <b>U. Neimane</b> , Z. Katrevica, M. Purins, J. Kalnins, A. Adamovics: Latvia	Strenght potential of lateral pinch activities: a work in progress – <b>M. Reinvee</b> , V. Luik: Estonia
				Influence of lammas shoots on height of young Scots pines in Latvia – <b>A. Jansons</b> , U. Neimane, B. Dzerina, A. Adamovics: Latvia	Comparison of musculoskeletal discomfort in female office workers and supermarket cashiers – <b>T. Sirge</b> , J. Ereline, T. Kums, H. Gapeyeva, M. Pääsuke: Estonia
	<b>16.30 – 18.30</b>	<b>PRECISION AGRICULTURE</b>  (Institute of Technology, room A107)  Chair: Ass. Prof. <b>Eugen Kokin</b>	<b>PRODUCTION ENGINEERING &amp; MODELLING</b>  (Institute of Technology, room A310)  Chair: PhD <b>Tõnu Leemet</b>	<b>AGRICULTURAL ECONOMICS</b>  (Institute of Technology, room B119)  Chair: PhD <b>Iivi Riivits-Arkonsuo</b>	
		Technical and software solutions for autonomous unmanned aerial vehicle (UAV) navigation in case of unavailable GPS signal – M. Dlouhy, J. Lev, <b>M. Kroulik</b> : Czech Republic	Mechanical properties of polymer matrix composites filled with Jatropa Curcal L. – <b>P. Hrabe</b> , M. Müller, C. Mizera: Czech Republic	Ethics audit as a marketing instrument and its potential for organic farming – <b>M. Ojasoo</b> and A. Leppiman: Estonia	

		Awareness and adoption of precision agriculture in the Cukurova region of Turkey – <b>M. Keskin</b> , Y. E. Sekerli: Turkey	Low-cyclic fatigue test of adhesive bond reinforced with glass fibre fabric – <b>J. Zavrťálek</b> , M. Müller, V. Šleger: Czech Republic	Fertilizer use efficiency impact on GHG emissions in the Latvian crop sector – A. Lēnerts, <b>D. Popluga</b> , K. Naglis-Liepa and P. Rivža: Latvia	
		Comparison of different chlorophylls determination methods for leafy vegetables – <b>I. Alsina</b> , M. Dūma, L. Dubova, A. Šenberga, S. Daģis: Latvia	Utilisation of industrial steel wastes in polymer composite design and its agricultural applications – M. Lisicins, <b>V. Lapkovskis</b> , V. Mironovs: Latvia	Quality labels in Estonian food market. Do the labels matter? – <b>I. Riivits-Arkonsuo</b> , A. Leppiman and J. Hartšenko: Estonia	
		Segmented capacitance sensor and first tests of inverse problem solution – <b>J. Lev</b> , M. Wohlmuthová: Czech Republic	Hybrid aspen clone wood mechanical properties – <b>M. Zeps</b> , A. Gailis, J. Smilga, O. Miežite, L. Sisenis and I. Zariņa: Latvia	The construct of value in knowledge-intensive business service from customer's perspective. An example of a long-term training activity – <b>J. Kukk</b> and A. Leppiman: Estonia	
		Mapping of Some Soil Properties due to Precision Irrigation in Agriculture – <b>K. E. Temizel</b> : Turkey	Determination of the heat flux of steel for the heat treatment model of agricultural tools – <b>A. Kešner</b> , R. Chotěborský, M. Linda: Czech Republic	Assessment of the economic value of cattle slurry and biogas digestate used on grassland – <b>K. Kall</b> , Ü. Roosmaa and R. Viiralt: Estonia	
		Precision Apiculture approach for improving bee colony management – <b>A. Zacepins</b> , A. Kviēsis: Latvia	Influence of dust pollution in the laboratory on the strength of adhesive bond – <b>A. Krofova</b> , P. Kic, M. Müller: Czech Republic	Development possibilities of rural area in Vidzeme region: comparison to other regions of Latvia and analysis – <b>I. Krumina</b> , G. Krumins, S. Rozentale and H. Kalkis: Latvia	
		Bacterial endophytes of grapevine and conifers as promising objects for agriculture and forestry – <b>A. Shcherbakov</b> : Russia	Determination of chemical content of soil particle for abrasive wear test – R. Chotěborský, <b>M. Linda</b> : Czech Republic	Economic considerations for using sexed semen on Holstein cows and heifers in Estonia – <b>A. Remmik</b> , J. Naaber and R. Värnik: Estonia	
			Relaxation and creep behaviour of false banana's fibre ( <i>Ensete ventricosum</i> ) – <b>C. Mizera</b> , D. Herak: Czech Republic	Performance trends as a prerequisite for smart growth in Latvia rural territories – <b>B. Rivza</b> , M. Kruzmetra, V. Zaluksne: Latvia	
<b>Thursday</b> <b>12.05.2016</b>	Time <b>19.00</b>	<b>OFFICIAL CONFERENCE DINNER</b> at Restaurant <b>Atlantis</b> , 2 Narva Str., Tartu <a href="http://www.atlantis.ee/">http://www.atlantis.ee/</a>			
<b>Friday</b> <b>13.05.2016</b>	10.30	<b>EXCURSION:</b> <b>Ilmatsalu Biogas Station</b> (Start at Institute of Technology)			
		OR			
	11.00	<b>Tartu City Tour</b> (Gathering at Town Hall)			

