



VYSOKÉ UČENÍ FAKULTA ELEKTROTECHNIKY  
TECHNICKÉ A KOMUNIKAČNÍCH  
V BRNĚ TECHNOLOGIÍ



STUDENT  
EEICT

**Category: B1 – Biomedical Engineering**

**Room: SE4.166 (UBMI)**

**Chairman: doc. Ing. Jana Kolářová, Ph.D.**

**Vice-chairman: doc. Mgr. Lenka Zajíčková, Ph.D.**

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**Committee members: Ing. Jiří Sekora, MBA**

**Ing. Lukáš Smital, Ph.D.**

**Ing. Marina Filipenská, Ph.D.**

**Dominik Ficek (Thermo Fisher Scientific Brno s.r.o.)**

Time	Authors	Title
9:00	Jan Cícha, Pavel Horský, David Haisman	Detection of Stress using Short-Time Energy Dispersion of Speech Signal
9:15	Alena Dudíková	Influence of electrical and magnetic field on growth of biomaterial upon PVDF with magnetic dopant
9:30	Jevhenij Vorochta, Helena Vítková, Roman Jakubíček	Direct Gene Detection in Raw Nanopore Signals Using Transformer Neural Networks
9:45	Tereza Lusková, Wolfram Weckwerth, Jana Schwarzerova	Concept drift detection in metabolomics-based predictions under cold-stress conditions in plants
10:00	Jakub Kovář, Stěpán Zelníček, David Vavroušek	Tepovka: A mobile application for heart rate measurement using photoplethysmography
10:15	Nikola Jordánová, Andrea Němcová	Stress detection/classification in multimodal data
10:30	Dan Nguyen	Hand gesture recognition from EMG signal using machine learning
10:45	Eliška Bachorecová	Forensic Verification of Author of Handwritten Character "k" Using Artificial Intelligence



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**Category: B2 – Communication and Information Systems**

**Room: SD3.102b (UAMT)**

**Chairman: doc. Ing. Tomáš Fryza, Ph.D.**

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**Ing. Petr Ilgner**

**Ján Kseňak (ABB s.r.o.)**

**Dušan Benda (Thermo Fisher Scientific Brno s.r.o.)**

**Matěj Podaný (ŠKODA AUTO, a.s.)**

Time	Authors	Title
9:00	David Maňásek, Ladislav Polák	<a href="#">Portable Measurement System for monitoring of LoRa Radio Links in the 2.4 GHz ISM Band</a>
9:15	Dominik Rechterík, Antonín Boháčik	<a href="#">Interactive Web Management Interface for the Energy Polygon</a>
9:30	Jan Kusák, Šimon Sloboda	<a href="#">CubeSat model for image data transmission</a>
9:45	Jan Kříž	<a href="#">Measurement of combustion boiler operating parameters</a>
10:00	Matěj Hrdlička	<a href="#">Water level sensor</a>
10:15	Šimon Remper, Jan Dvořák	<a href="#">Detection of Problems in an Industrial Network Using the Concept of Edge Computing</a>



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**Category: B3 – Generation and Transmission of Electrical Energy**

**Room: SC4.81 (UTEE)**

**Chairman: Ing. Lukáš Radil, Ph.D.**

**Vice-chairman: Ing. Jan Morávek, Ph.D.**

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**Michal Bernad (ABB s.r.o.)**

**Filip Girszewski (E.ON Česká republika, s.r.o.)**

Time	Authors	Title
9:00	Denis Šaman, Lukáš Radil	Method for Calculating the Allocation Key for Community Energy
9:15	Tomáš Brychta, Lukáš Radil	Energy balance in water treatment plants
9:30	Michaela Tichá	Use of aerogel in combination with high entropy materials as anode material for Li-ion batteries
9:45	Luboš Franěk	Electrification of agricultural operations in the fields
10:00	Vojtěch Paták	Energy balance of a farm using agrovoltaic systems
10:15	Vojtěch Gabryš, Daniel Janík	Analysis and suggestion of measure system for measuring quality and consumption of electrical power in campuses CEITEC and FIT BUT



**Category: B4 – Industrial Automation, Instrumentation and Engineering**

**Room: SC3.62 (UTEE)**

**Chairman: Ing. Miroslav Jirgl, Ph.D.**

**Vice-chairman: doc. Ing. Jakub Arm, Ph.D.**

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**Luděk Žaloudek (NXP Semiconductors Czech Republic s.r.o.)**

**Jakub Streit (Eaton Elektrotechnika s.r.o.)**

Time	Authors	Title
9:00	Carlos Javier Valles Salas, Roman Vaněk, Jan Mikulka (online)	<a href="#">Study of the design possibilities of an electrical impedance tomography system</a>
9:15	Antonín Pospíšil	<a href="#">Display device for archery competitions</a>
9:30	Adam Hrezo	<a href="#">DeltaBot construction for presentation and study of kinematics.</a>
9:45	Ondřej Michalčík, Petr Petyovský	<a href="#">Visualization tool for industrial production data</a>
10:00	Michal Blažík, Matěj Kantor, Soňa Michalková, Kryštof Wojnarowský, Tomáš Janoušek, Jakub Arm	<a href="#">Testbed 4.0: The cooling system incorporating AAS</a>
10:15	Jan Suchánek	<a href="#">PV surplus management</a>
10:30	Ondřej Dušek, Kryštof Doležal, Oliver Drga, Vít Fousek	<a href="#">Linear Deltabot: Design, Kinematics and Trajectory Generation</a>
10:45	Jakub Prvý, Jan Klouda	<a href="#">Autonomous precision landing of unmanned aerial vehicles using fiducial optical markers</a>



**Category: B5 – Systems Modeling, Control and Measurement**

**Room: SA4.37 (UVEE)**

**Chairman: doc. Ing. Jan Mikulka, Ph.D.**

**Vice-chairman: prof. Mgr. Pavel Rajmic, Ph.D.**

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**Bc. Roman Vaněk**

**Zdeněk Paděra (Honeywell, spol. s r.o.)**

**Jakub Čelko (Eaton Elektrotechnika s.r.o.)**

Time	Authors	Title
9:00	Veronika Junasová	The Methods of Accurate Measurement of Tilt Azimuth within Small Angles of Tilt
9:15	Vít Kejhar	Testing conductive layers on flexible and elastic substrates
9:30	Jiří Strnad, Pavel Tomíček	Verification of buck converter efficiency determination and its optimization
9:45	Josef Sikula, Tomas Fryza	System for Counting the Number of People in a Room
10:00	Jakub Mahdal	Implementation of Launch Control on Formula Student monopost
10:15	Dominik Bortlík, Václav Kaczmarczyk	Efficiency Analysis of an Automatic Production Line
10:30	Ekaterina Gerasina	Soil water flow modeling for irrigation control
10:45	Valeriia Orlova	Thermal Model of a Smart Home
11:00	Kryštof Wojnarowský, Ondřej Mihálik	Statistical Learning-Based Analysis of Human Driver Model Parameters
11:15	Matěj Kantor	Predictive maintenance with digital model



**Category: M1 – Audio, Image and Biomedical Signal Processing**

**Room: SD4.111 (UBMI)**

**Chairman: Ing. Vratislav Harabiš, Ph.D.**

**Vice-chairman: doc. Ing. Jiří Schimmel, Ph.D.**

**Secretary: Ing. Michal Svento (michal.svento@vut.cz)**

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**Ing. Andrea Němcová, Ph.D.**

**Tomáš Pokorný (VALEO AUTOKLIMATIZACE k.s.)**

**Lubomír Plavec (ASICentrum spol. s r.o.)**

Time	Authors	Title
9:00	Anar Davaajargal, Kryštof Novotny	Analysis of Temporal Speech Impairments in Prodromal Dementia with Lewy Bodies
9:15	Benjamin Nimmerrichter	System for Measuring Directional Responses of Sound Sources
9:30	Richard Ladislav, Zoltán Galáž	Comparative Analysis of Pitch Detection Algorithms for Machine Learning Supported Parkinson's Disease Diagnosis
9:45	Vít Šimeček, Ondřej Mihálik	Compression Techniques for 4D STEM data in Electron Microscopy
10:00	Iveta Štetinová	Particle Size Measurement Using Acoustic Emission and Octave Band Analysis
10:15	Lenka Blažková	Segmentation of hip joint anatomy structures from radiographic images
10:30	Oliver Jaroš	Application of Neural Networks in Cardiovascular Load Analysis
10:45	Martina Daňková, Stanislava Košková, Filip Plešinger	Bloody Forecast: Daily Blood Demand Prediction Using Various Modeling Approaches
11:00	Jan Hýl, Aneta Pchálková	Predicting Mortality in Patients with Chronic Heart Failure



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EEICT

**Category: M2 – Communication and Information Systems, Networks**

**Room: SC7.53 (UTKO)**

**Chairman: doc. Ing. Jan Jeřábek, Ph.D.**

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**Ing. Vojtěch Myška, Ph.D.**

**Petr Lacman (Honeywell, spol. s r.o.)**

**Michal Pražan (ASICentrum spol. s r.o.)**

Time	Authors	Title
9:00	Alexander Bekeč, Jiří Veverka, Jan Gromeš	<a href="#">Design of an inter-satellite communication and ranging payload for a rendezvous and proximity operations mission</a>
9:15	Jan Ševčík, Radovan Juráň	<a href="#">Energy harvesting for UWB IIoT devices</a>
9:30	Alžběta Kostelanská, Petr Mlýnek, Lukáš Beneš, Ondřej Krajsa, Michal Mahút	<a href="#">Multi-RCAT modem for Small-Scale PV Systems and Renewable Energy Communities</a>
9:45	Jakub Zdražil, Pavel Paluřík	<a href="#">Wildlife Tracking System</a>
10:00	Jan Bukovský, Petr Münster	<a href="#">Distributed Acoustic Sensing System Based on Dual Polarization 90-degree Optical Hybrid</a>
10:15	Maxim Nikulcha, Viet Anh Phan	<a href="#">IPv6 OSINT Network Analyzer</a>
10:30	Ondrej Dohnal, Jan Jerabek	<a href="#">Tool for analysis of domain records collected from open sources</a>
10:45	Patrik Horcicka	<a href="#">Wireless node with WiFi Halow technology</a>

**Category: M3 – Machine Learning and Wireless Communication**

**Room: SD6.76 (UREL)**

**Chairman: prof. Ing. Roman Maršálek, Ph.D.**

**Vice-chairman: prof. Ing. Fabian Khateb, Ph.D.**

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**Jiří Syrový (Honeywell, spol. s r.o.)**

**Milan Snížek (Thermo Fisher Scientific Brno s.r.o.)**

**Jan Těšitel (E.ON Česká republika, s.r.o.)**

Time	Authors	Title
9:00	Martin Knob, Jan Kufa	Diagnostic oscilloscope with artificial intelligence
9:15	Jan Hejna, Petr Musil, Matěj Ištváněk	Opportunistic ambient temperature sensing using commercial microwave links
9:30	Oliver Varga, Petr Musil	Anomaly Detection in Networks Using Noise Spectrum Analysis of Network Devices
9:45	Filip Stryk, Aleš Povalač	Evaluation of Energy Consumption in Different LoRaWAN End Device Classes
10:00	Marek Černý, Roman Maršálek, Radek Závorka	Experiments with the 5G beam search in millimeter waves - raytracing and practical indoor measurements
10:15	Radim Macho, Petr Musil	Platform for detection and monitoring of the devices connected to the power grid
10:30	Matej Gradoš, Christof Paar, Muhammad Bilal Zafar, Gregor Leander	Can Neural Networks spot the Sponge?
10:45	Ondrej Lengal, Jiri Haze	Implantable Medical Device for Measuring Vital Signs of Animals - Proof of Concept





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**Category: M4 – Network Security and Cryptography**

**Room: SE6.121 (UREL)**

**Chairman: doc. Ing. Zdeněk Martinásek, Ph.D.**

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**Ing. Viet Anh Phan**

**Ing. Jan Dvořák, Ph.D.**

**Jakub Šťastný (ASICentrum spol. s r.o.)**

**Lukáš Kubík (E.ON Česká republika, s.r.o.)**

Time	Authors	Title
9:00	Vít Horký, Tomáš Caha	<a href="#">Web application for secure file transfer</a>
9:15	Martina Molnárová, Willi Lazarov	<a href="#">Strategic Threat Intelligence in Cyberspace</a>
9:30	Adam Tuček, Willi Lazarov	<a href="#">Aggregation and Evaluation of Vulnerabilities from CVE Databases for Effective Security Assessment</a>
9:45	Tomáš Nagy	<a href="#">Methods for securing Linux-based embedded systems</a>
10:00	Bruce L'Horset, Elodie Chen, Charles Mailley	<a href="#">Privacy-Preserving Face Recognition Using Noised Eigenvectors</a>
10:15	Filip Wagner	<a href="#">Post-Quantum Cryptography in V2X Communication</a>
10:30	Daniel Kluka	<a href="#">Design of a secure data transmission system in NB-IoT environment</a>



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STUDENT  
EEICT

**Category: M5 – Electrical Energy: Generation, Transmission, Optimization**

**Room: SA7.10 (UEEN)**

**Chairman: doc. Ing. Petr Vyroubal, Ph.D.**

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**Martin Chytra (E.ON Česká republika, s.r.o.)**

**Aleš Vašíček (ABB s.r.o.)**

Time	Authors	Title
9:00	Adam Kečkéš	Online recursive least square parameter estimation for PMS machine
9:15	Jan Sedlář	Efficient Optimization through Normalized Variable Scaling and Selective Term Pruning
9:30	Martin Martinec	Semi-Automatic Spot-Welding Machine for contacting battery cells
9:45	Vojtěch Šibor, Petr Vyroubal	Digital Twin of a Battery
10:00	Daniel Moravčík, Petr Vyroubal	Extraction of RC parameters for the ECM model of the Li-Ion battery
10:15	Jakub Rosendorf, Petr Chmelíček, Jan Bárta	Evaluation of Eddy Effects in Winding of High-Speed Synchronous machines for EV Systems
10:30	Tomáš Vaculík	Simulation of electrical energy demand across various types of users for energy communities
10:45	Libor Pavlík, Lukáš Radil	Predictive model of household consumption in conjunction with complementary electricity generation
11:00	Tomáš Fryšták	Availability of railway frequency converter to provide ancillary services



**Category: M6 – Industrial Automation, Control, Machine Vision, UAVs**

**Room: SD3.102a (UAMT)**

**Chairman: Ing. Lukáš Kopečný, Ph.D.**

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**Jan Galia (Garrett Motion Czech Republic s.r.o.)**

**Petr Papica (NXP Semiconductors Czech Republic s.r.o.)**

**Ondrej Mihalik (Eaton Elektrotechnika s.r.o.)**

Time	Authors	Title
9:00	Tereza Havlíková	Surface Engineering of Piezoelectric Semi-Crystalline Polymer Scaffolds via Plasma Treatment for Improved Adhesion and Integration of Osteoblasts
9:15	Silvia Bátorová, Miroslav Zatloukal	Evaluation Possibilities of the Tafel Extrapolation Method
9:30	Samuel Bielik, Šimon Bilík	Towards Varroa destructor mite detection using a narrow spectra illumination
9:45	Marek Paták, Pavel Škrabánek	MediaPipe FaceMesh use in 3D model-based remote gaze tracking
10:00	Tomáš Martiník	Machine Learning-Driven Detection of Repetitive Manufacturing Processes Using Radar Sensor
10:15	Tomáš Frigyik	Automatic Landing of an Unmanned Aerial Vehicle Using Visual Markers
10:30	Jan Čtvrtníček, Jiří Janoušek	Metaheuristic Planner for a Swarm of UAVs
10:45	Josef Bartoněk, Jiří Janoušek	Vision-Based Autonomous UAV Tracking and Control
11:00	Clyde Mavhundu, Jiří Veverka	Design and Implementation of an Educational CubeSat Constellation



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EEICT

**Category: D1 – Audio and Biomedical Signal Processing, Bioinformatics**

**Room: SD4.111 (UBMI)**

**Chairman: Ing. Jiří Chmelík, Ph.D.**

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**MSc. Sudeep Roy, Ph.D.**

**Petr Walek (Thermo Fisher Scientific Brno s.r.o.)**

Time	Authors	Title
13:00	Simon Skvaril	Lumped Parameter Method for Prediction of Sound Absorption Coefficient of Loudspeaker Placed in Closed Enclosure.
13:15	Vojtěch Kovanda	Dequantized signal from two parallel quantized observations
13:30	Matej Liska	Sampling Configuration Analysis for the Design of Spherical Microphone Array
13:45	David Leitgeb	Multipurpose Digital Audio Effect: Combining Different Techniques Within a Single Device
14:00	Michal Švento	Audio Declipping with Unfolded Douglas-Rachford Algorithm
Omluvena	Jana Neuwirthová, Jana Indráková, Valentýna Provazník, Jana Schwarzerová	Comparing variant calling tools for genomic analysis of patients predisposed to Kidney Disease
14:15	Kristýna Heřmánková	Expression profiles of sRNA genes in <i>Caldimonas thermodepolymerans</i>
14:30	Richard Redina, Adrian Luca, Jakub Hejc, Marina Filipenska	Hausdorff Distance for P wave Alignment in ECG with Intracardiac Validation



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EEICT

**Category: D2 – Communication and Information Systems, Network Security**

**Room: SC7.53 (UTKO)**

**Chairman: doc. Ing. Jiří Hošek, Ph.D.**

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**Ing. Radim Číž, Ph.D.**

**Zbyněk Raida (NXP Semiconductors Czech Republic s.r.o.)**

Time	Authors	Title
13:00	David Kohout, Tomas Lieskovan, Petr Mlynek	<a href="#">Smart Meter Emulator</a>
13:15	Pavel Paluřík	<a href="#">Optimized 5G-IoT Probe: Hardware Innovations and Practical Deployment</a>
13:30	Radim Dvořák, Pavel Paluřík	<a href="#">NB-IoT over NTN: Evaluating TBS and Elevation Angle Effects on Communication Reliability</a>
13:45	Viet Anh Phan, Jan Jerabek, Roman Kümmel	<a href="#">ptnetinspector: A Practical IPv6 Scanner for Network Reconnaissance</a>
14:00	Minh Tran, Petr Dzurenda	<a href="#">Implementation Aspects of Car-sharing Applications</a>



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EEICT

**Category: D3 – Microelectronics and Technology**

**Room: SA7.10 (UEEN)**

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**Ing. Roman Prokop, Ph.D.**

**Dušan Zošiak (ABB s.r.o.)**

Time	Authors	Title
13:00	Jaromír Jarušek, Imrich Gablech	<a href="#">Optimized 3D Resin Printing for Microfluidic Chip Fabrication</a>
13:15	Antonín Šimek, Tomáš Kazda, Charles Aram Hall, Ondřej Čech	<a href="#">Unraveling Sodium Storage Mechanisms in Carbon Anodes for Sodium-ion Batteries</a>
13:30	Jiří Báňa, Tomáš Kazda	<a href="#">Trends And Challenges Of Hydrometallurgical Recycling Of Lithium-ion Batteries</a>
13:45	David Trochta, Ondřej Klvač, Tomáš Kazda	<a href="#">Investigating Battery Degradation Mechanisms by In-Situ SEM Analysis and Related Techniques</a>
14:00	Hana Hálová	<a href="#">Optimization of Spray Drying Synthesis of LiFePO<sub>4</sub>: Effects of Calcination and Doping on Microstructure and Electrochemical Properties</a>
14:15	Adam Dvorský	<a href="#">Early fire detector using GAS FET</a>
14:30	Marek Sedlařík	<a href="#">Parametrization of equivalent circuit models for lithium-ion batteries using galvanostatic intermittent titration technique</a>
14:45	Pavel Tomíček, Jaroslav Boušek	<a href="#">Effects of gate boosting on gate oxide reliability and lifetime estimation of commercially available MOSFETs</a>



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EEICT

**Category: D4 – Physical Sciences**

**Room: SC4.81 (UTEE)**

**Chairman: doc. Dinara Sobola, Ph.D.**

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**Jana Ručková (Eaton Elektrotechnika s.r.o.)**

**Aleš Jäger (ŠKODA AUTO, a.s.)**

Time	Authors	Title
13:00	Pavla Kočková	<a href="#">Towards Early Rail Crack Detection: Characterizing Stress Wave Behavior through Experimentation and FE Modeling</a>
13:15	Richard Schubert	<a href="#">Detection of Heavy Metal Contamination by Vibrational Spectroscopy: A Combined Theoretical and Experimental Study</a>
13:30	Denis Misiurev, Vladimír Holcman	<a href="#">Optimization of Fabrication Parameters for Atomic Force Microscopy Probes to Improve Image Resolution and Analysis</a>
13:45	Tatiana Pisarenko ( <a href="#">online</a> )	<a href="#">Nanostructured Polyvinylidene Fluoride Membranes Functionalized with Chromium-based Metal-Organic Frameworks for Selective Pollutant Adsorption</a>
14:00	Kipkurui Ronoh, Dinara Sobola	<a href="#">Influence of ultrafast laser surface modification of the surface morphology, chemical composition and wettability of MONEL® alloy 400</a>
14:15	Pavel Máca	<a href="#">Effect of fuel assembly rotation on optimization of fuel pins burnup</a>



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STUDENT  
EEICT

**Category: D5 – Power Electronics, Electric Drives and Machines**

**Room: SA4.37 (UVEE)**

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**Ing. Jan Knobloch, Ph.D.**

**Petr Chmelíček (Garrett Motion Czech Republic s.r.o.)**

Time	Authors	Title
13:00	Šimon Chmelař	<a href="#">Analysis of Retail Electricity Prices in the Czech Republic</a>
13:15	Martin Světlík, Jan Bárta	<a href="#">How to Measure Induction Machines: A Practical Methodology</a>
13:30	Martin Světlík, Jan Bárta	<a href="#">Design and Optimization Workflow for Industrial Induction Machines</a>
13:45	Tomáš Pitner	<a href="#">Current balancing in parallel structures of high-current power inverters</a>
14:00	Jakub Súkeník, Marek Toman	<a href="#">Computational Fluid Dynamics Thermal Modelling of Fan-Cooled Finned Heat-sink Considering Air Temperature Rise</a>
14:15	Miroslav Mrajca, Petr Šilling	<a href="#">Advanced Transformer Design Optimization via Simulated Annealing</a>
14:30	Miroslav Kozumplík	<a href="#">Rapid Prototyping Platform for the Control and Testing of Electric Drives</a>
14:45	Matúš Kavec	<a href="#">Optimization of PMSM Control: Integrating Flux Weakening, and MTPA for Performance Enhancement</a>





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STUDENT  
EEICT

**Category: D6 – Sensors and Measurement Systems**

**Room: SD3.102a (UAMT)**

**Chairman: doc. Ing. Petr Drexler, Ph.D.**

**Vice-chairman: doc. Ing. Petr Beneš, Ph.D.**

**Secretary: Ing. Karel Juřík (xjurik14@vut.cz)**

**Committee members: Ing. Zdeněk Roubal, Ph.D.**

**Luděk Janák (Honeywell, spol. s r.o.)**

**Ondřej Gotfrýd (Garrett Motion Czech Republic s.r.o.)**

Time	Authors	Title
13:00	Lukáš Zdražil, Marek Andrlé, Petr Špaček	<a href="#">Electrical Properties Measurement of SMD Electrodes for Surface Decontamination</a>
13:15	Matěj Turinský	<a href="#">Photovoltaic power plant source measurement system for fault detection</a>
13:30	Serge Ayme Kouakouo Nomvussi, Jan Mikulka ( <a href="#">online</a> )	<a href="#">Image Reconstruction in Electrical Impedance Tomography through 1D-Convolutional Neural Network</a>
13:45	Sabrina Boujenfa	<a href="#">Driver inattention state: an overview of distraction, drowsiness, visual perception and infrared imaging</a>
14:00	Tadeáš Zbožínek, Michal Jelínek, Břetislav Mikel	<a href="#">Enhancing Signal Collection Efficiency in Liquid Scintillators via Optical Fibre End Treatments for Dosimetry Applications</a>



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**Category: D7 – Systems Modeling, Control, Machine Vision, UAVs**

**Room: SD6.76 (UREL)**

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**Vice-chairman: Ing. Martin Jonák, Ph.D.**

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**Committee members: Ing. Lukáš Pohl, Ph.D.**

**Jan Bílek (VALEO AUTOKLIMATIZACE k.s.)**

**Jindřich Chaloupek (VALEO AUTOKLIMATIZACE k.s.)**

Time	Authors	Title
13:00	Silvestr Vaculovič, Jakub Arm	Formal specification of control system design in industrial domain
13:15	Marie Hartmanová, Josef Diblík	General Solution of Linear Planar Weakly Delayed Discrete Systems with Multiple Delays and with a Singular Matrix of Non-delayed Terms
13:30	Stepan Jezek, Radim Burget	Speed Measurement from Traffic Camera Video Using Structure-from-Motion-Based Calibration
13:45	Jakub Čelko	Comparison of Direct and Indirect Identification of a Human Driver Model
14:00	Jan Klouda	UAV platform for special operation
14:15	Šimon Prokop	Review of Autonomous UAV Methods in GNSS-Challenging Environments



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**Category: SS – General Technical Focus**

**Room: Aula prof. Braunera**

**Chairman: prof. Ing. Jaroslav Koton, Ph.D.**

**Vice-chairman: doc. Ing. David Kubánek, Ph.D.**

**Secretary: doc. Ing. Alexandr Knápek, Ph.D.**

**Committee members: Mačišáková Kateřina (Thermo Fisher Scientific Brno s.r.o.)**

Time	Authors	Title
13:00	Matěj Mlynář	<a href="#">Multifunctional 3D printed UAV</a>
13:15	Jan Buchta	<a href="#">Electroactivity of Polyvinylidene Fluoride Fibers Probed by SPM</a>